

Exhibit 1

CURRICULUM VITAE
ALAN HEDGE, PhD, CPE, FHFES, FIEHF, FIEA, AFBPsS,
CCSF Faculty Fellow

Nationality: American & British (European)
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Academic Positions: Professor
Department of Design and Environmental Analysis
2415 Martha Van Rensselaer Hall
NYS College of Human Ecology
Cornell University
Ithaca, NY 14853-4401
and
Research Professor
Department of Mechanical and Aerospace Engineering
121 Link Hall
Syracuse University
Syracuse, NY 13244-1240

UNIVERSITY EDUCATION

Bachelor of Science (First class) Special Honors in Zoology.
Subsidiary subjects Physiology and Biochemistry.
University of Sheffield, 1970.
Master of Science, Zoology
University of Sheffield, 1971.
Master of Science, Applied Psychology.
Aston University, 1972.
Doctor of Philosophy, 1972-74.
Submitted and awarded for thesis in Cognitive Psychology
University of Sheffield, 1979.

CURRENT PROFESSIONAL BODIES

Certified Professional Ergonomist (CPE), Board of Certification of
Professional Ergonomists (2003)
Fellow, International Ergonomics Association (IEA)
Fellow, The Human Factors and Ergonomics Society (U.S.A.) (FHFES)
Fellow, The Institute of Ergonomics and Human Factors (U.K.) (FIEHF)
Associate Fellow of the British Psychological Society (AFBPsS)
Founding Member, International Society of Indoor Air Quality and
Climate
Member, Illuminating Engineering Society of North America

PROFESSIONAL ACTIVITIES

IEA Representative for Environmental Design (2011-)
Atkinson Center for Sustainable Futures Faculty Fellow (2009-)
Co-leader, Human Health and Performance Research Theme, Star Center for Environmental Quality Systems (<http://eqs.syr.edu/>)
Member, Advisory Council, The National Ergonomics Conference and Exposition (1999 - onwards)

PAST PROFESSIONAL ACTIVITIES

Member, Scientific Advisory Committee, Applied Human Factors and Ergonomics 3rd International conference, 2010
Member, Healthy Buildings 2009, Technical Program Committee
Member, International Conference on Research into Design (ICoRD'09)
Member, American Psychological Association (1987-2008)
Member, Association for Psychological Science
Member, ODAM 08 program committee
Member, NASA Space Human Factors: Super Problem Resolution Team
Member, NASA Space Human Factors Engineering Science & Technology Working Group (200-2007)
Member, ASID Technical Review Board (TRB) of the Clearinghouse for Design and Human Behavior Research (2002-2005)
Chair, International Ergonomics Association Technical Group on Work Environment Ergonomics (Work Environment Design) (1993-)
Chair, TAG to ISO TC 159/SC5 (1995-1997, 2003 – onwards)
Chair, Organizational Design and Management Technical Group, The Human Factors and Ergonomics Society (HFES) (1995)
Chair, Work Environment Subcommittee
ANSI/HFS 100 VDT Standard Revision Committee
The Human Factors and Ergonomics Society (HFES) (1992-1995)
Member, New York Academy of Sciences, (1996/97).
Chair, ASTM Task Group (E06.25.02) on Behavioral Tools for Assessing Facility Design and Productivity, American Society for Testing and Materials (1990-1993)
Executive officer (Past President), Division of Environmental Psychology International Association of Applied Psychology (IAAP), (1986-1990).
Executive officer (President), Division of Environmental Psychology International Association of Applied Psychology (IAAP), (1982-1986).
Past Member (IAPS), International Association for their Study of People in their Physical Surroundings (1984-1988).
Past Member, Organizing Committee, International Society of Facilities Executives, (1990-1993).

CURRENT EDITORIAL ACTIVITIES

Consulting Editor, Ergonomics
Editorial Board, WORK: A Journal of Prevention, Assessment & Rehabilitation
Editorial Board, Theoretical Issues in Ergonomics
Editorial Board, International Journal of Human Factors and Ergonomics

Editorial Board of the Journal of Environmental Psychology
Editorial Board of the Journal of Architectural and Planning Research.
Editorial Board of the Journal of Human Environment Systems
Editorial Board of Occupational Safety and Health: Workplace
Ergonomics
Editorial Board of SpineUniverse.com (<http://www.spineuniverse.com>)
Editorial Board of HealthyComputing.com
(<http://www.healthycomputing.com>)
Editorial Board of the Open Ergonomics Journal
(<http://www.bentham.org/open/toergj/>)

CONSULTING REVIEWER

Behavior and Information Technology
International Journal of Industrial Ergonomics
Applied Ergonomics
Psychological Bulletin
Psychological Reviews
Current Psychological Research
Perceptual and Motor Skills
Human Factors
Indoor Air
Environment International
Journal of Work and Stress
Journal of Aerosol Science

AWARDS REVIEWER

Workers Compensation Board, B.C., Canada
NSERC, Canada
NZ Institute for Health
US Environmental Protection Agency
Center for Indoor Air Research
Royal Institute of British Architects Research Awards
College of Human Ecology

ADVISORY BOARDS

Ergoweb Media Advisory Board (www.ergoweb.com)
Co-leader, Human Health and Performance Theme, STAR Centre for
Environmental Quality Systems, Syracuse University
(<http://eqs.syr.edu/organization.asp>)
Technical Review Board, InformeDesign, Clearinghouse for design and
behavior research (Univ. Minnesota/ASID, 2001-2005.
<http://www.informedesign.com/>) (2002-)
NASA Science and Technology Working Group (Human Factors) (2001)
National Ergonomics Conference and Exposition (1999-)
NY Indoor Environmental Quality Center, Syracuse University (2001-)
Carpet and Rug Institute Technical Advisory Board (1993-1998)

PROFESSIONAL EXPERIENCE

SOUTH YORKSHIRE METROPOLITAN COUNTY COUNCIL

Research and Intelligence Unit (1974-1975)

Research Assistant (Grade AP5)

Work included extensive analysis of data from a large Public Attitude Survey, various public participation exercises (e.g. structure plan kits, County Headquarters Survey, Environmental Attitudes Survey, monitoring of social indicators). Analysis of public policy options.

WEST MIDLANDS METROPOLITAN COUNTY COUNCIL

Statistical and Information Unit (1975-1976)

Principal Officer (Grade PO1B)

Work included management of research team and design of research projects, including public attitude survey, housing survey, community identification for emergency planning, county management information system. Involvement in policy committee work. Management of research team and budget.

APPLIED PSYCHOLOGY DEPARTMENT

UNIVERSITY OF ASTON (1976-1987)

Lecturer (tenured)

Course Tutor for the MSc Course in Applied Psychology (1977-1981, 1983-1984).

OPEN UNIVERSITY TUTOR, Part-time.

Introductory Psychology Course (DS261/DS262) 1976-1983.

Cognitive Psychology Course (D303) 1983-1985.

Cognitive Psychology Course (D309) 1985-1986.

SABBATICAL LEAVE (April-July 1982)

Institute of Personality Assessment and Research,
University of California, Berkeley, USA.

ASSOCIATE PROFESSOR (Human Factors)

Aug. 1, 1987-1994, (tenure awarded, 1991). Dept. DEA, NYS College of Human Ecology, Cornell University, Ithaca, NY 14853-4401

SABBATICAL LEAVE (August 1992 - July 1993)

Institute of Occupational Health, Birmingham Medical School,
University of Birmingham, Birmingham, UK. Invited to teach Environmental ergonomics course (16 hours) University of Nottingham, Department of Manufacturing Engineering and Operations Management, Graduate Program in Ergonomics. (January - March, 1993). Invited to teach Human-Computer Interaction (6 hours) University of Nottingham, Department of Manufacturing Engineering and Operations Management, Graduate and Undergraduate Programs in Ergonomics and in Computer Science. (March, 1993).

Director, Human Factors and Ergonomics Laboratory, Jan. 1 1994 –
DEA, NYS College of Human Ecology, Cornell University,
Ithaca, NY 14853-4401

PROFESSOR (Human Factors) Jan. 1, 1995

DEA, NYS College of Human Ecology, Cornell University,
Ithaca, NY 14853-4401

Co-Director, Design Concepts Laboratory, Jan. 1 2005 –

DEA, NYS College of Human Ecology, Cornell University,

Ithaca, NY 14853-4401

AWARDS AND SELECTED ACTIVITIES

O. Keith Hansen Outreach Award, Human Factors and Ergonomics Society	2009
Alexander J. Williams Jr. Design Award for “outstanding human factors contributions to the design of a major operational system”, Human Factors and Ergonomics Society.	2003
Program leader “Environmental Effects on Health and Human Performance”, Environmental Quality Systems Center, Syracuse University EQS Consortium	2003-
International Who’s Who of Professionals: the Ultimate Directory	2000
Institute of Business Designers (IBD)/Contract Magazine Bronze Award, for ergonomic design work on the PROTEX Work Envelope System.	1992
Industrial Design Excellence Awards (Business Week) Gold Award - Furniture category, for ergonomic design work on the PROTEX Work Envelope System.	1992
Honorary Research Fellow, Institute of Occupational Health, Birmingham Medical School, University of Birmingham, Birmingham, U.K.	1990-1993
Elected to Membership of the Graduate Field in Design & Environmental Analysis Cornell University	1987
British Council Travel Grant to Canada	1984
British Council Travel Grant to Italy	1983
Royal Society Travel Grant (UK) to U.S.A	1983
NATO Travel Scholarship (Human Factors) to U.S.A.	1982
Scientific Program Organizer - Environmental Psychology 20th Congress of the International Association of Applied Psychology	1982

COMPETITIVE STUDENTSHIPS

Science Research Council Research Studentship	1972-1974
Aston University Studentship	1971-1972
Science Research Council Research Studentship	1970-1971

MILITARY/SECURITY EXPERIENCE

Scientific Advisor (C,B & N weapons), U.K. Home Office	1976-1986
British Territorial Army Royal Officers Training Corp’	1967-1970

OTHER ACTIVITIES

Member, Textiles Graduate Field

Cornell University	2006
Member, Information Science Graduate Field, Cornell University	2003 -
Member, Cognitive Psychology Graduate Field, Cornell University	1997 –
Member, Institute for Comparative Environmental Toxicology, NYS College of Agriculture and Life Science, and Environmental Toxicology Graduate Field, Cornell University	1995 -
Member, Biology & Society Undergraduate field, Cornell University	1995 -
Stephen H. Weiss Presidential Fellowship Nominee for excellence in teaching.	1998
Scientific Advisory Board Member The Carpet and Rug Institute	1993 -
Professional Media training (Washington, DC; Atlanta)	1993
Nominee for SUNY Chancellor's award for Excellence in Teaching.	1992
Annual State legislative functions	1991, '92, '94

EXTERNAL ASSESSOR

Faculty promotions examiner- typically 2 per year	2000 -
PhD Examiner (external) – typically 2 per year	1987 –

ACADEMIC ACHIEVEMENTS AND RESPONSIBILITIES AT CORNELL

Current Position	• Professor and Director of the Human Factors and ergonomics Laboratory
Teaching:	<ul style="list-style-type: none"> • Human Factors: Applied Ergonomic Methods (DEA4700, DEA6700) • Human Factors: Ambient Environmental Conditions (DEA3500, DEA6520) • Human Factors: Ergonomics, Anthropometrics and Biomechanics (DEA3250, DEA6510) (DEA 6000 level graduate study) • Frequent invited presentations to M&AE 2250, PAM 3200, Arch 3620, H ADM 4550.
Undergraduate theses:	• 8 (Honor's theses graduated)
Graduate theses:	• 37 (Master's graduated), 4 PhD committee member (3 graduated)
Internet:	<ul style="list-style-type: none"> • CUErgo web site (http://ergo.human.cornell.edu) (1993 to present) • Department web master (1997-2001)
Current Committees:	<ul style="list-style-type: none"> • College Grants Committee • Cornell Center for a Sustainable Future (CCSF) Educational Sub-committee
Past Committees:	<ul style="list-style-type: none"> • College Academic Integrity Committee • Committee on Academic Status • College Grants Committee. • College Honors Committee. • Cornell Abroad Committee. • Statewide Workforce Task Force Committee, Cooperative Extension.

- College Extension Construction/Budget Group
 - College Steering/Budget Committee: the “Cornell Life Course Institute”.
 - Committees on the Cornell Center for Environment.
 - SUNY Chancellor’s Award Selection Committee
 - Mann Library committee
- Finance:
- Experience of tactical financial planning in local government and academic settings
 - Experience of strategic planning activities in local government and academic settings
 - Senior managerial training and experience (Aston University)
 - Responsibility for research budgets, laboratory construction budget, laboratory equipment and operations budget, media budget, teaching and support budget (Cornell University).

Previous Position

Teaching: Cornell

- Introduction to Human-Environment Relations: Introduction to Human Factors (DEA1500, co-taught with 3 colleagues, 1987-1991)
 - Department, Director of Graduate Studies (1994)
 - Environmental Ergonomics - Workplace design, Thermal comfort
 - Human Factors in IT - Office Automation; societal impact
 - Cognitive Psychology - Thinking; knowledge representation
 - Perspectives on Psychology
 - Advanced Research Methods - Factor Analysis; Repertory Grid; Facet analysis
 - Current Developments in Psychology
 - Systems and Theories in Psychology
 - History of Psychology
 - Survey Methods - Questionnaire Design
 - Introduction to Psychology
- Graduate theses:
- 20 (Master’s graduated, UK), 3 (PhD’s, UK).
- Past Responsibilities
- Director of Graduate Studies, DEA Field, Cornell University, (1996/97)
 - Chairman, Academic (Faculty) Assembly, Aston University, Birmingham, U.K. 1985-1987
 - Course Tutor for the MSc Course in Applied Psychology (1977-1981, 1983-1984)
- Management training
- Senior Academic Management Training Program conducted by Stanford Business School at Aston University, Birmingham, U.K. 1986

ACADEMIC RESEARCH: FUNDED PROJECTS SINCE 1987

Research interests in scientific visualization research; new multimedia technologies; human factors approaches to work environment design; workplace automation and intelligent buildings; sick building syndrome

Funded projects:

- Principal Investigator
Personal Control Effects on Indoor Air Quality
and User Comfort, Health And Performance
DoE (\$89,998)
Educational Computing Award

2010-

- Intel (\$37,000) 2006
- Principal Investigator
Educational Computing Award
- Intel (\$37,000) 2006
- Co- Principal Investigator
Passive textile systems for indoor air quality improvement
NYS College of Human Ecology (\$50,000) 2006
- Principal Investigator
“Indoor Environmental Quality and Productivity”. US EPA (\$190,000) 2005-2007
- Principal Investigator
“Indoor Environmental Quality and Productivity”. US EPA (\$200,000) 2004-2006
- Principal Investigator
“New Ways Of Working: Experimental Evaluation of Electronic
Height Adjustable Work Surfaces, Keyboard Trays
and Alternative Input Device Designs.”. Humanscale (\$18,737) 2004-2005
- Cornell Laboratory for Human Factors and Ergonomics,
NY State. (\$200,000) 2003-2004
- Principal Investigator
“Thermal Comfort and Ergonomic Chairs”. Cornell Univ. (\$3,500) 2003
- Principal Investigator, “Hotel Ergonomics”. NIOSH (\$2,275) 2002
- Principal Investigator
“Pesticide concentrations in house dust in residences in central New
York State”. The Carpet and Rug Institute. (\$257,000) 2000-2001
- Principal Investigator
“Ergonomic evaluation of the effects of anti-glare computer filters”.
3M. (\$37,337) 2002
- Principal Investigator
“Pesticide concentrations in carpet floor coverings in rural homes in
central New York State.” USDA Hatch. (\$40,000) 1999-2003
- Principal Investigator
NYS College of Human Ecology, “Development and
evaluation of a web-based ergonomics course” (\$5,500) 1998
- Principal Investigator
“Sick building syndrome and office
ergonomics - a targeted work environment analysis?”
Center for Indoor Air Research. (\$111,758) 1997
- Principal Investigator.
“The effects of two different task lighting systems on employee comfort
and health in a windowless office”,
Peerless Corp., Berkeley, CA, (\$49,440) 1995
- Principal Investigator:
“Scientific Visualization Research”
National Science Foundation. Supercomputing award (50 units) 1995-1996
- Principal Investigator
“The effects of smoking room design on indoor air quality and
employee comfort and health in offices.”
Center for Indoor Air Research. (\$107,371) 1995
- Principal Investigator with Dr. Rod Dietert, Institute for

- Comparative Environmental Toxicology,
 “The Effects Of Carpet Emissions On Indoor Air Quality And Health:
 A Critical Review.” The Carpet and Rug Institute. (\$49,613) 1994
- Principal Investigator:
 “Development of Computerized Database of Advising
 Materials and a Directory of International Education
 Opportunities in Human Factors and Ergonomics”.
 Cornell President’s fund. (\$1,950) 1994
 - Cornell Laboratory for Human Factors
 and Ergonomics, NY State. (\$70,000) 1994
 - Principal Investigator (continuation)
 “The effects of restrictive smoking policies on employee comfort
 and health in offices.”
 Center for Indoor Air Research. (\$110,029) 1994
 - Principal Investigator (continuation)
 “The effects of steam humidification on indoor air quality and
 psychosocial variables on employee comfort and health in offices.”
 Center for Indoor Air Research. (\$78,052) 1993
 - Principal Investigator
 “The effects of changing smoking policies on indoor air quality
 and employee comfort and health in offices.”
 Center for Indoor Air Research. (\$168,118) 1992
 - Principal Investigator
 “The effects of synthetic mineral fibers in office
 dust on the sick building syndrome in offices.”
 Center for Indoor Air Research. Supplemental grant (\$6,100) 1991
 - Principal Investigator (continuation)
 “The effects of smoking regulation and building ventilation on
 indoor air quality and employee comfort and health in offices.”
 Center for Indoor Air Research. (\$162,018) 1991
 - Principal Investigator
 “The effects of smoking regulation and building ventilation on
 indoor air quality and employee comfort and health in offices.”
 Center for Indoor Air Research. (\$249,869) 1989-1990
 - Principal Investigator
 “The long-term effects of direct versus indirect lighting
 on office workers.”
 Peerless Lighting Corp. (\$16,992) 1990-1991
 - Principal Investigator
 “The effects of direct versus indirect lighting on office workers
 in enclosed and open-plan offices.”
 Peerless Lighting Corp. (\$74,338) 1987-1989
 - “Instrumentation for a Human Factors/
 Ergonomics Teaching Laboratory.”
 National Science Foundation. (\$37,815 plus \$37,815 matching funds) 1987-1989
 - Principal Investigator
 Research on the ‘Sick Building’ Syndrome
 N.Y.S. College Research Grant. (\$4,950) 1987

Corporate Gifts for the Cornell Human Factors and Ergonomics Laboratory:

- Barnes & Noble (\$1,500) 2010
- Humanscale (\$15,000) 2010
- Humanscale (\$15,000) 2009
- Humanscale (\$12,000) 2006
- Linak (\$4,000) 2004
- Humanscale (\$10,000) 2004
- Linak (\$15,000) 2002
- Stokke (\$10,000) 2002
- Stokke (\$5,000) 2001
- Magnitude Information Systems (\$8,000) 1999
- Humanscale (\$2,000) 1999
- Steelcase (\$20,000) 1999
- Ergonomic-Interface Keyboard Systems (\$15,000) 1998
- Softview (\$12,000) 1995
- Workplace Designs (\$12,000) 1995
- Ergonomixx: (\$10,500) 1994
- Proformix:(\$11,000) 1994
- Proformix:(\$5,000) 1991
- Tate Access Floors (\$3,000) 1987-1989

Corporate Equipment Donations

- Educational Program PCs (Intel) 2007
- Lapdawg 2007
- Logitech 2006
- Hoverstop 2006
- Typematrix 2006
- WOW Technologies 2006
- Perific 2005
- Humanscale 2005
- Kensington 2004
- Humanscale 2004
- Aeron chair (Herman Miller) 2003
- Electronic sit-stand workstations (WorkRite) 2003
- Fingerworks 2003
- Stokke 2003
- Educational Program Software (Microsoft) 2001
- Educational Program PCs (Intel) 2001
- Ergonomic Freedom chairs (Humanscale) 1998
- Ergomax 200 chair (American Ergonomics) 1998
- Criterion and Leap chairs (Steelcase) 1998
- Exos Gripmaster system + IBM laptop computer (Proformix) 1994

PUBLICATIONS:**Books**

4. Hedge, A. (2012) *Human Factors and Ergonomics for Designers*. Wiley (in preparation)
3. Khalid, H., Hedge, A. and Ahram, T.Z. (2010) Advances in Ergonomics Modeling and Usability Evaluation, Boca Raton, CRC Press.
2. Stanton, N., Hedge, A., Brookhuis, K., Salas, E. and Hendrick, H. (2004) Handbook of Human Factors and Ergonomics Methods, Boca Raton, CRC Press.
1. O'Reilly, J.T., Hagan, P., Gots, R. and Hedge, A. (1998) Keeping buildings healthy: How to monitor and prevent indoor environmental problems New York: J. Wiley & Sons.

Book Chapters

35. Hedge, A. (2011) Alternative Workstations May Be New But Are They Better? In M. M. Robertson (ed.) Ergonomics and Health Aspects of Work with Computers, Springer, Heidelberg, 190-198.
34. Hedge, A., Feathers, D.J. and Rollings, K.A. (2010) Ergonomic comparison of five mouse designs: Performance and posture differences. In Khalid, H., Hedge, A. and Ahram, T.Z. (Eds.) Advances in Ergonomics Modeling and Usability Evaluation, Chap. 47, 436-445, Boca Raton, CRC Press.
33. Feathers, D.J., Hedge, A. and Rollings, K.A. (2010) Ergonomic assessment of pronating-reducing mouse designs: Anatomical compliance in three-dimensional space. In Khalid, H., Hedge, A. and Ahram, T.Z. (Eds.) Advances in Ergonomics Modeling and Usability Evaluation, Chap. 46, 426-435, Boca Raton, CRC Press.
32. Pavlovic-Veselinovic, S., Hedge, A., and Grozdanovic, M. (2010) An expert system for risk assessment of work-related musculo-skeletal disorders In Khalid, H., Hedge, A. and Ahram, T.Z. (Eds.) Advances in Ergonomics Modeling and Usability Evaluation, Chap. 43, 403-411, Boca Raton, CRC Press.
31. Hedge, A. (2010) Interior Design: Satan or Savior? In Martin C. & Guerin, D. (Eds.) The State of the Interior Design Profession, Fairchild Books, 181-186.
30. Hedge, A. (2009) Indoor Environmental Quality, Health and Productivity, R.G. Harris and D.P. Moore, (eds.), Indoor Work and Living Environments, Chap. 6, Nova Science Publishers, 247-262.
29. Hedge, A. (2009) The Role of Carpet in Sustainable Design, R.G. Harris and D.P. Moore, (eds.), Indoor Work and Living Environments, Chap. 5, Nova Science Publishers, 223-245.
28. Hedge, A. and Lueder, R. (2008) Classroom furniture, In Lueder, R. & Rice, V. (eds.) Ergonomics for Children: Designing products and places for toddlers and teens, Chap. 21, pp. 721-751. CRC Press. Boca Raton, FL.

27. Hedge, A. (2005) Kids and computers, In Anshel, J. (ed.) Visual Ergonomics Handbook, Chapter 12, CRC Press, 137-157.
26. Hedge, A. (2004) Pen and Stylus Input, In Bainbridge, W.S. ed. (2004) Berkshire Encyclopedia of Human Computer Interaction, Berkshire Publishing Group, Vol. 2, 543-546.
25. Hedge, A. (2004) Keyboards, In Bainbridge, W.S. ed. (2004) Berkshire Encyclopedia of Human Computer Interaction, Berkshire Publishing Group, Vol.1, 401-405.
24. Hedge, A. (2004) Environmental conditions, In Stanton, N., Hedge, A., Brookhuis, K, Salas, E. and Hendrick, H. (2004) Handbook of Human Factors and Ergonomics Methods, pp. 59-1 – 59-4, CRC Press. Boca Raton, FL.
23. Hedge, A. (2004) Physical methods, In Stanton, N., Hedge, A., Brookhuis, K, Salas, E. and Hendrick, H. (2004) Handbook of Human Factors and Ergonomics Methods, pp. 2-1 - 2-4, CRC Press.
22. Hedge, A. (2004) Heat stress indices, In Stanton, N., Hedge, A., Brookhuis, K, Salas, E. and Hendrick, H. (2004) Handbook of Human Factors and Ergonomics Methods, pp. 62-1 – 62-8, CRC Press.
21. Hedge, A. (2004) Indoor air quality – chemical exposures, In Stanton, N., Hedge, A., Brookhuis, K, Salas, E. and Hendrick, H. (2004) Handbook of Human Factors and Ergonomics Methods, pp. 64-1 – 64-11, CRC Press.
20. Hedge, A. (1999) Consumer Product Design, In Karwowski, W. (ed.) Encyclopedia of Ergonomics, Philadelphia, Taylor & Francis : 888-891.
19. Hedge, A. (1999) Environmental Ergonomics, In Karwowski, W. (ed.) Encyclopedia of Ergonomics, Philadelphia, Taylor & Francis :959-999.
18. Hedge, A. (1999) Ergonomics, Encarta 2000, Microsoft.
17. Hedge, A. (1998) Introduction to Ergonomics, Chap. 1, In D. Murphy (ed.) Ergonomics and the Health Professional, New York: American Public Health Association, pp. 1-23.
16. Hedge, A. (1998) Case Study: Anchorage, Alaska, Chap. 16, In O'Reilly, J.T., Hagan, P., Gots, R. and Hedge, A. (Eds.) Keeping buildings healthy: How to monitor and prevent indoor environmental problems. New York: J. Wiley & Sons, pp. 257-260.
15. Hedge, A. (1998) Communicating results of the investigation, Chap. 7, In O'Reilly, J.T., Hagan, P., Gots, R. And Hedge, A. (Eds.) Keeping buildings healthy: How to monitor and prevent indoor environmental problems. J. Wiley & Sons, pp. 163-176.
14. Hedge, A. (1998) Investigating health complaints: behavioral aspects, Chap. 6, In O'Reilly, J.T., Hagan, P., Gots, R. and Hedge, A. (Eds.) Keeping buildings healthy: How to monitor and prevent indoor environmental problems. New York: J. Wiley & Sons, pp.137-162.
13. Hedge, A. (1998) What can we learn about indoor environmental quality concerns from studies, Chap. 5, In O'Reilly, J.T., Hagan, P., Gots, R. and Hedge, A. (Eds.) Keeping buildings healthy: How to monitor and prevent indoor environmental problems. New York: J. Wiley & Sons, pp.119-136.

12. Hedge, A. (1998) Ergonomic design of hand operated devices, Chap. 12, In Stanton, N. (Ed.) Human Factors in Consumer Products Taylor & Francis, pp.203-222.
11. Hedge, A. (1996) A guide to evaluating indoor air quality, In Baird, G., Gray, J., Isaacs, N., Kernohan, D. And McIndoe, G. (Eds) Building Evaluation Techniques, Chap. 6.2, New York: McGraw-Hill, pp.115-118.
10. Hedge, A. (1995) Human factors considerations in the design of museums to optimize their impact on learning, In Falk, J. & Dierling, L. (Eds) Public Institutions for Personal Learning: Establishing a Research Agenda, American Association of Museums, Washington DC, 105-118.
9. Hedge, A. (1994) Environmental psychology. In: P. Spurgeon, D. R. Davies and A.J. Chapman (Eds.), Elements of Applied Psychology. Harwood Academic Publishers, Chap. 15, 297-319.
8. Hedge, A., Erickson, W.A., and Rubin, G. (1992) Effects of personal and occupational factors on sick building syndrome reports in air conditioned offices. In: J.C. Quick, L.R. Murphy, and J.J. Hurrell, Jr. (eds.) Work and Well-Being: Assessments and Interventions for Occupational Mental Health, Chap. 19, Washington, D.C. American Psychological Association, pp. 286-298.
7. Hedge, A. (1991) Design innovations in office environments. In: W.F.E. Preiser, J. C.Vischer, and E.T. White (Eds.), Design Intervention: Toward a More Humane Architecture. Van Nostrand Reinhold, New York. pp. 301-322.
6. Hedge, A. (1989) Design for Health. Business Strategy International, Cornhill Publications. Cambridge. U.K. pp. 61-66.
5. Hedge, A. (1989) Major hazards and behaviour. In: W. T. Singleton and J. Hovden (Eds.), Risks: Concepts, Decisions and Behaviour. London: Wiley, Chapter 9, pp 139-153.
4. Hedge, A. (1986) Open vs. Enclosed Workspaces. In: J. Wineman (Ed.), Behavioral Issues in Office Design. Van Nostrand Reinhold, pp. 139-176.
3. Debney, L. M. and A. Hedge. (1986) Physical trigger factors in migraine - with special reference to weather. In: W. K. Amery and A. Wanquier (Eds.), The Prelude Migraine Attack. Bailliere Tindall, pp. 8-24.
2. Hedge, A. and N. Pendleton. (1981) The Town Planner. In: W. T. Singleton (Ed.), The Study of Real Skills, Vol. 3, Chapter 7, pp. 116-135.
1. Hedge, A. and B. R. Lawson. (1979) Creative Thinking. In: W. T. Singleton (Ed.), The Study of Real Skills, Vol. 2, Chapter 15, pp. 280-305. Lancaster: MTP Press.

Journal Articles (refereed)

55. Feathers. D.J., Pavlovic, S. and A. Hedge (2011) Measures of Fit and Discomfort for School Children in Serbia, Work (in press)
54. Feathers. D.J., Rollings, K. and A. Hedge (2011) Computer Mouse Issues for College Students Aged 18-25, Work (in press)
53. Hugine, A., Guerlain, S. and Hedge, A. (2011) User Evaluation of an innovative digital reading room, Journal of Digital Imaging (DOI: 10.1007/s10278-011-9432-8)

52. Izawa, M.R., French, M.D. & Hedge, A. (2011) Shining New Light on the Hawthorne Illumination Experiments, Human Factors, 53 (5), 528-547.
51. Hedge, A. James, T. and Pavlovic, S. (2011) Ergonomics Concerns and the Impact of Healthcare IT, International Journal of Industrial Ergonomics, 41 (4), 345-351.
50. Lawler, E.K., Hedge, A. and Pavlovic, S. (2011) Cognitive Ergonomics, Socio-Technical Systems, and the Impact of Healthcare IT, International Journal of Industrial Ergonomics 41 (4), 336-344.
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14. Hedge, A. and Evans, S. (2001) Ergonomic Management Software and Work Performance: An Evaluative Study. February, 19 pages.

13. Hedge, A. (1999) Effects of Ergonomic Management Software on Employee Performance, September, 24 pages.
12. Hedge, A., Muss, T. and Barrero, M. (1999) Comparative Study of Two Computer Mouse Designs, July, 20 pages.
11. Hedge, A. And Erickson, W.A. (1998) Sick building syndrome and office ergonomics: a targeted work environment analysis, Cornell Human Factors Laboratory Technical Report/ RP198, January, 54 pages.
10. Hedge, A. and Shaw, G. (1996) Effects of the 'Floating Arms' keyboard on performance, posture and comfort compared with a conventional keyboard mounted on an articulated tray, Cornell Human Factors Laboratory Technical Report/ RP296, June, 43 pages.
9. Hedge, A., McCrobie, D. and Corbett, S. (1996) Effects of using an optical glass glare filter on computer worker's visual health and performance: results of an ergonomic field study, Cornell Human Factors Laboratory Technical Report/ RP196, April, 19 pages.
8. Hedge, A., McCrobie, D. and Morimoto, S. (1995) Beneficial effects of a preset tiltdown keyboard system on posture and comfort in offices Dept. Design and Environmental Analysis, Cornell University, January, 47 pages.
7. Hedge, A. and Dietert, R.D. (1994) Effects of new carpet emissions on indoor air quality and human health, Dept. Design and Environmental Analysis, Cornell University, November, 156 pages.
6. Hedge, A. (1989) New Standard Practice for Surveying Office Occupants for Indoor Environment Effects on Health and Satisfaction, ASTM Draft Standard. November, 1989 (under revision following preliminary ASTM ballot)
5. Hedge, A. (1989) Lighting the computerized office: A comparative field study of a lensed-indirect uplighting system and a parabolic downlighting system Dept. Design and Environmental Analysis, Cornell University.
4. Wilson, S., O'Sullivan, P., Jones, P., and Hedge, A. (1987) Sick Building Syndrome and Environmental Conditions: Case studies of nine buildings Building Use Studies Ltd., London, U.K.
3. Wilson, S. and A. Hedge. (1987) The Office Environment Survey: A study of building sickness. Building Use Studies Ltd., London, U.K.
2. Hedge, A. (1987) Comments on the Health Problems and Hygiene Investigations at the 3301 Eagle Street Building, Anchorage, Alaska TDS Ltd., Vancouver, Canada.
1. Sterling, T. D., Hedge, A. and E. M. Sterling. (1985) A Review of the investigations of Employee Health Complaints at Les Terrasses de la Chaudiere TDS Ltd., Vancouver, Canada.

Conference Presentations (Nonrefereed or Unpublished)

128. Hedge, A. (2012) Ergonomics and Healthcare Technology, American Society of Healthcare Engineering PDC Summit, International Summit & Exhibition on Health Facility Planning, Design and Construction, March 4-7, Phoenix, AZ. (Featured Speaker)
127. Hedge, A. (2011) Office Ergonomics, National Ergonomics Conference & Exposition, Las Vegas, NC, Nov 29-Dec. 2.
126. Hedge, A. (2011) Green Ergonomics Update, National Ergonomics Conference & Exposition, Las Vegas, NC, Nov 29-Dec. 2.

125. Hedge, A. (2011) Indoor air quality and productivity, International Conference for Enhanced Building Operations, Oct. 18-20, New York, NY.
124. Hedge, A. (2011) Facilities Issues and Healthcare IT Ergonomics, Healthcare Facilities Symposium & Expo, September 20-22, Navy Pier – Chicago.
123. Hedge, A. (2011) Creating a resilient workplace, 2011 Healthways Well-being Summit, Dallas, TX, April 26-28.
122. Hedge, A. (2010) Ergonomics and Healthcare IT, National Ergonomics Conference & Exposition, Las Vegas, NC, Dec. 1-3.
121. Hedge, A. (2010) Green ergonomics: Advocating for the Human Element in Buildings, National Ergonomics Conference & Exposition, Las Vegas, NC, Dec. 1-3.
120. Hedge, A. (2010) The Future of Ergonomics in the USA, Italian Ergonomics Society Annual Conference, Rome, 10/27-29/10.
119. Hedge, A. (2010) Healthcare and Information Technology, Ergonomic Round Table of Sacramento, Sacramento, CA, October 12.
118. Hedge, A. (2010) Office Ergonomics, US Department of State Speaker Series, Washington D.C., Sept 8th.
117. Hedge, A. (2010) Green Buildings need Sustainable Ergonomics, NEOCON2010, Chicago, Ill., June 14-16.
116. Hedge, A. (2010) Office Ergonomics 2010 Workshop, University of Minnesota, Minneapolis, MN, March 1.
115. Hedge, A. (2010) Healthcare Ergonomics, Northwestern Memorial Hospital, Chicago, Ill., April 28.
114. Hedge, A. (2010) Healthcare Ergonomics, Rush University Medical Center, Chicago, Ill., April 28.
113. Hedge, A. (2010) Office Ergonomics 2010 Workshop, University of California Los Angeles, Los Angeles, CA, April 17.
112. Hedge, A. (2010) What is the State of Ergonomics Today?, Gensler, Santa Monica, CA, April 16.
111. Hedge, A. (2010) The State of Office Ergonomics, Ergonomics Roundtable, Minneapolis, MN, February 28.
110. Hedge, A. (2010) Office Ergonomics: New Ways of Working, SmithGroup Workplace National Practice, Phoenix, AZ, February 11.
109. Hedge, A. (2009) Ergonomics and Healthcare IT: Boosting patient care through caregiver comfort, National Ergonomics Conference and Exposition, Las Vegas, Nov. 21.
108. Hedge, A. (2009) Green Ergonomics, National Ergonomics Conference and Exposition, Las Vegas, Nov. 20.
107. Hedge, A. (2009) Office Ergonomics 2009 Workshop, Pratt, New York, Oct.3.
106. Hedge, A. (2009) The Future of Ergonomics, State Fund Advanced Ergonomics Seminar, Vacaville, CA, Sept. 23.
105. Hedge, A. (2009) What makes a device ergonomic?, State Fund Advanced Ergonomics Seminar, Vacaville, CA, Sept. 23.
104. Hedge, A. (2009) Office Ergonomics 2009 Workshop, Philadelphia University, Philadelphia, March 4.
103. Hedge, A. (2009) Office Ergonomics 2009 Workshop, Parsons, New York, Jan. 31.
102. Hedge, A. (2008) An Inconvenient Discipline: the Metamorphosis of Ergonomics, Puget Sound Human Factors and Ergonomics Society 2008 Occupational Ergonomics Symposium & Workshop, Seattle, WA, Sept. 17-18. (Keynote address).

101. Hedge, A. (2007) Ergonomics and the shape of things to come. National Ergonomics Conference and Exposition, Las Vegas, Nov. 27-30. (State of the Industry Keynote address).
100. Hedge, A. (2007) Children and computers – past, present and future. New Zealand Ergonomics Society Conference, Waiheke Island resort, Nov. 7-9. (Workshop)
99. Hedge, A. (2007) Ergotecture – an “inside-out” design process that integrates information from the micro-level of human requirements through to the macro-level of societal responsibility. New Zealand Ergonomics Society Conference, Waiheke Island resort, Nov. 7-9. (Keynote address).
98. Hedge, A. (2007) Office Ergonomics 2007: Current Trends. IIDEX/Neocon, Sept. 27, Toronto, Canada
97. Hedge, A. (2007) Recent advances in office ergonomics. American Safety & Health Conference, Sept. 26, Corning, NY.
96. Hedge, A. (2006) Reading Room Ergonomics. National Ergonomics Conference and Exposition, November 28 – December 1, Las Vegas, NV.
95. Hedge, A. (2006) Ergonomics: Essential for a Productive Workforce. National Ergonomics Conference and Exposition, November 28 – December 1, Las Vegas, NV.
94. Hedge, A. (2006) Revisiting Sitting: cultural or other factors. HFES 50th Annual Conference, San Francisco, Oct.16-20.
93. Hedge, A. (2006) Overview of the USA bed market. Bedding Research Symposium, Melbourne, Oct. 16. (Keynote address).
92. Hedge, A. (2006) Impact of Ergonomics on Digital Healthcare Information and Management Systems (DIHMS), PACS 2006: Digital Healthcare Information and Management Systems (DHIMS), San Antonio, March 14-17.
91. Hedge, A. (2006) Ergonomic considerations for the Sedentary Digital Radiologist, PACS 2006: Digital Healthcare Information and Management Systems (DHIMS), San Antonio, March 14-17.
90. Hedge, A. (2006) Emerging Issues in IAQ, Air Conditioning Contractors of America's (ACCA-NCC) Conference & Indoor Air Expo, March 28-30, San Jose, Ca.
89. Hedge, A. (2005) Work and Workstation Design and Obesity Risks. Ecology of Obesity, June 6-7, Cornell University, Ithaca, NY.
88. Hedge, A. (2005) Best Practices for Site-Wide Hospital Ergonomics, National Ergonomics Conference and Exposition, November 30 – December 3, Las Vegas, NV.
87. Hedge, A. (2005) A Guide to Ergonomic Solutions, National Ergonomics Conference and Exposition, November 30 – December 3, Las Vegas, NV.
86. Hedge, A. (2005) Ergonomic Considerations in the Digital Healthcare Environment, PACS 2005: The Expanding Integrated Digital Healthcare Enterprise, March 9-12.
85. Hedge, A. (2005) Ventilating Healthy Homes: Emerging Issues in Residential IAQ, ComfortTech 2005, 9/16/05.
84. Hedge, A. (2004) Linking environmental conditions to productivity, Eastern Ergonomics Conference and Exposition, June 21-23, , New York, NY.
83. Hedge, A. (2004) Economic Ergonomics: cost-effective proven office interventions, Canadian Facility Management & Design Expo and Conference, Canadian Facilities Management Association/Association of Canadian Ergonomists, April 6, Toronto (Keynote address).
82. Hedge, A. (2003) The Impact of Ergonomics Regulations: A Global Perspective, National Ergonomics Conference and Exposition, Las Vegas, December 9-11.
81. Hedge, A. (2003) “Economics of Ergonomics”, International Interior Design

- Association Convention, Louisville, KY, November 62, 2003. Invited Keynote address.
80. Golkowski, C. & Hedge, A. (2003) "Nonthermal plasma – an exciting new air filtration technology", Environmental Systems Symposium at Syracuse, Syracuse University, October 27.
 79. Hedge, A. (2003) Office Ergonomics, California Association of Rehabilitation and Reemployment Professionals 21st Annual conference, San Diego, 9/19-21/03.
 78. Hedge, A. (2003) Redefining the Work Sphere, Inter. Int. Design Assoc, San Francisco, 5/13/03.
 77. Hedge, A. (2003) Effective Office Ergonomics 2003, Inter. Int. Design Assoc, Grand Rapids, 4/21/03.
 76. Hedge, A. (2003) Creating a safe work environment – 5th Annual Statewide and Training Resources Exposition, Worcester, MA, 4/9/03.
 75. Hedge, A. (2003) Ergonomics: Past, Present and Future, Eastern Ergonomics Conference, National Ergonomics Conference and Exposition, New York, July 9-11. (Keynote address)
 74. Hedge, A. (2003) Understanding Ergonomics – National Correctional Industries Conference & Exposition 2003, Denver, 3/23/03.
 73. Hedge, A. (2002) "Effective Ergonomics", National Ergonomics Conference and Exposition, Las Vegas, December 9-12. Keynote address.
 72. Hedge, A. (2002) "Office Ergonomics 2002", International Facilities Management Association Mid-Western Chapter, Chicago, November 20, 2002. Invited presentation.
 71. Hedge, A. (2002) "IAQ, Floor coverings and the elderly" American Association of Homes and Services for the Aging 2002 Annual Meeting & Exposition, Baltimore, MD, October 28-31, 2002.
 70. Hedge, A. (2002) "School Floor Coverings and IAQ Effects on students well-being and learning", Association of School Business Officials International, 2002 Annual Conference, Phoenix, AZ, October 25-27, 2002.
 69. Hedge, A. (2002) BOMA Study on Tenant Workplace Satisfaction and Retention, Interface Flooring Systems and Buildings Magazine, New York, October 15. Invited Panelist.
 68. Hedge, A. (2002) "School Floor Coverings: Effects on students well-being and learning", Florida Educational Facilities Planners' Association, Inc. Annual Conference, Orlando, FL, July 8-11.
 67. Hedge, A. (2002) "IAQ, Health and Productivity", Second Annual UTRC IEQ Workshop, Safe Buildings, Connecticut, June 6-7, 2002
 66. Hedge, A. (2002) School Floor Coverings: Effects on Students Well-being and Learning, Florida Educational Facilities Planners annual conference, July, 9.
 65. Hedge, A. (2001) "Indoor environmental quality and productivity", 1st Environmental Systems Symposium at Syracuse, Syracuse University, October 29, 2001.
 64. Hedge, A. (2000) Ergonomic necessities of the workplace. Canadian Facility Management and Design Expo and Conference, Toronto, Ontario, Canada, April 13.
 63. Hedge, A. (2000) Hotel ergonomics. Hotel Ezra 75th Annual Conference, Cornell University, Ithaca, NY, April 8.
 62. Hedge, A. (2000) Workplace ergonomics and musculoskeletal disorders. Institute of Occupational Medicine, Curitiba, Brazil, March 20.
 61. Hedge, A. (1999) Using computers to gather and provide ergonomic intelligence, The National Ergonomics Conference and Exposition, Anaheim, 7-9 December.
 60. Hedge, A. (1999) Ergonomics and children: How to prevent injury in the classroom,

- The National Ergonomics Conference and Exposition, Anaheim, 7-9 December.
59. Hedge, A. (1998) Evaluating the benefits of two-component lighting methods for corporate offices - a case study, Design.y.c., New York, 29 October.
 58. Hedge, A. (1998) Alternative officing: the human factors perspective, alt.office conference, San Jose, CA, August 13.
 57. Hedge, A. (1998) Health and safety in the office, Liberty Mutual Symposium, Buenos Aires, Argentina, August 11-12.
 56. Hedge, A. (1998) Improving productivity through computer ergonomics, The Institute of Directors, Pall Mall, London, July 16.
 55. Hedge, A. (1998) Voodoo Ergonomics - Gizmos that don't work!, 1998 Newspaper Association of America Newspaper Operations Superconference, January 11-16, Miami Beach, Florida.
 54. Hedge, A. (1995) What is ahead for carpet? Carpet and Rug Institute annual conference, November 11 - 14, Amelia Island, Florida.
 53. Hedge, A. (1995) Environmental comfort, Edificio Inteligente '95, July 17-18 Sao Paulo, Brazil.
 52. Hedge, A. (1995) Future developments in air conditioning and illumination: Intelligent workspaces for intelligent workers, Edificio Inteligente '95, July 17-18 ,Sao Paulo, Brazil.
 51. Hedge, A. (1995) A holistic approach to indoor air quality issues, Florida School Plant Management Association, May 31, St. Petersburg, FL.
 50. Hedge, A. (1995) Effects of Carpet on Indoor Air Quality and Health, New England Environmental Expo., May 9-11, Boston.
 49. Hedge, A. (1995) Sick building syndrome and legislative initiatives in the USA, First Latin American Conference on Indoor Air Pollution, May 5, Santiago, Chile.
 48. Hedge, A. (1994) Sick Building Syndrome: Psychological factors, American Industrial Hygiene Society Annual Conference, May 22, Anaheim, CA.
 47. Hedge, A. (1994) Psychological Aspects of Sick Building Syndrome The Fibers Society, May 15, Annapolis, MD.
 46. Hedge, A. (1994) Carpet and Indoor Air Quality - User Issues, CRI Annual Technical Conference, May 4, Dalton, Georgia.
 45. Hedge, A. (1994) Risk factors for repetitive motion disorders, Ergonomics Conference, April 26-28, Atlanta, Georgia.
 44. Hedge, A. (1994) Sick building syndrome: is it caused by poor indoor air quality? Indoor Air Pollution, 7th National Conference, Univ. Tulsa, March 14-16.
 43. Hedge, A. (1993) Effects of restrictive smoking policies on indoor air quality and sick building: a study of 27 air-conditioned offices. The National Environmental Tobacco Smoke Conference, December 16-17, Washington, DC.
 42. Hedge, A. and Mitchell, G.E. (1993) Beneficial effects of furniture-integrated breathing-zone filtration on indoor air quality, and worker comfort, health and productivity, 86th Annual Convention and The Office Building Show, BOMA International, Baltimore, June 27-30.
 41. Hedge, A. (1993) Psychosocial factors and indoor air quality, Indoor Environment '93, Baltimore, April 21-23.
 40. Hedge, A. (1992) Indoor air quality and carpet: information for interior designers. Designer Saturday, Oct. 16, IDCNY, New York.
 39. Hedge, A. (1992) Environmental Illness, The Carpet and Rug Institute Annual Technical Conference, Oct. 1 - 3, San Destin, FL.

38. Hedge, A. (1992) Workstation environment factors, International Society for Facilities Executives Annual Conference, Sept. 30 - Oct. 2, Cambridge, MA.
37. Hedge, A. (1992) Planning for the New "Global Work Force". Paper presented at the Forum on Business and Technology Conference, "New Cost-Effective Plans and Strategies", 8-9 April, Austin, TX.
36. Hedge, A. (1992) Stress and VDT work. Presentation. Bellcore VDT Safety Seminar IV, Atlanta, Georgia, February 7th, 1992.
35. Hedge, A. (1992) Alternative Input Devices. Panel presentation. Bellcore VDT Safety Seminar IV, Atlanta, Georgia, February 6th, 1992.
34. Hedge, A. (1992) IAQ and ventilation. AT&T Work Center Planning Semi-Annual Conference and Training Session, Pleasanton, CA, January 28th, 1992.
33. Hedge, A. (1992) IAQ and Sick Building Syndrome. AT&T Work Center Planning Semi-Annual Conference and Training Session, Pleasanton, CA, January 28th, 1992.
32. Hedge, A. (1991) Clearing the air. IDCNY panel presentation, 17 October.
31. Hedge, A. (1991) What really causes sick building syndrome? IFMA/BOMA Connecticut chapters, 17 October.
30. Hedge, A. (1991) Sick building syndrome: Causes and cures. IFMA Pennsylvania chapter, 17 September.
29. Hedge, A. (1991) Sick building syndrome: facts and fallacies. Carpet and Rug Institute Conference, Hilton Head, S. Carolina, 12-13 September.
28. Hedge, A. (1991) The holistic model of internal environment. Asia-Pacific Public Works Congress and Trade Show, Brisbane, Australia, 1-5 September, 1991.
27. Hedge, A. (1991) Health studies of buildings in the U.S.A. including the effects of different smoking policies on indoor air quality and sick building syndrome in air conditioned offices. Asia-Pacific Public Works Congress and Trade Show, Brisbane, Australia, 1-5 September, 1991.
26. Hedge, A. (1991) The stress model - the psychology of the organization and its relationship to health. Asia-Pacific Public Works Congress and Trade Show, Brisbane, Australia, 1-5 September, 1991.
25. Hedge, A. (1991) Breathing zone filtration. Asia-Pacific Public Works Congress and Trade Show, Brisbane, Australia, 1-5 September, 1991.
24. Hedge, A. (1991) Effects on occupants of underfloor ventilation system. Asia-Pacific Public Works Congress and Trade Show, Brisbane, Australia, 1-5 September, 1991.
23. Hedge, A. (1991) Challenges to the future of lighting design in the office environment. Asia-Pacific Public Works Congress and Trade Show, Brisbane, Australia, 1-5 September, 1991.
22. Hedge, A. (1991) What really causes bad IAQ. National Air Duct Cleaners Association, Region 7 Seminar, Albany, NY, 23-25 August.
21. Hedge, A., Erickson, W., and Rubin, G. (1991) Smoking policy, indoor air quality and sick building syndrome in offices, British Occupational Hygiene Society Conference, Nottingham, U.K., 9-12 April.
20. Hedge, A., Erickson, W., and Rubin, G. (1990) The roles of job stress and job satisfaction in the etiology of the sick building syndrome in offices. Proceedings of the APA/NIOSH conference "Work and well-being: an agenda for the 90s", 15-17 November, Washington, D.C.
19. Wilkes, A. and Hedge, A. (1990) Diagnosing the sick building syndrome: computer-aided facilities diagnostics. Building Pathology '90, U.K.
18. Hedge, A. (1990) "Sick buildings, healthy buildings: Environmental Psychology and

- Workplace Design” . Keynote address presented at 98th Annual Convention of the American Psychological Association at Boston, August 10-14, 1990.
17. Davis, G., Gray, J., Hedge, A. and Szigetti, F. (1990) Who evaluates for whom, and why? Proceedings of the Environmental Design Evaluation Conference, Paris, June 30 - July 2.
 16. Hedge, A. (1990) Indoor air quality and the sick building syndrome, Presentation to the Interdepartmental National Accommodation Panel (INAP), Public Works Canada, 16 January.
 15. Hedge, A. (1989) Behavioural aspects of unhealthy buildings. Building for Health and Well-being, European Concern Centre in Europe Seminar, 4 December, Guilford, U.K.
 14. Hedge, A., (1989) Computer-Aided Facilities Diagnostics. Presentation at the 33rd Annual Meeting of the Human Factors Society, Santa Monica: Human Factors Society.
 13. Hedge, A. (1989) Worldwide innovations in workplace design. FM'89: Preparing for the Global Decade, M.I.T. Cambridge, Ma.
 12. Hedge, A. (1989) The workplace: worldwide innovations. IFEX'89, International Design Center, New York.
 11. Hedge, A. (1989) The sick building syndrome and cardiovascular disease. Proceedings of the Conference on Work Environments and Cardiovascular Disease, N.H.L.B.I., Univ. California Irvine, 2-5th April.
 10. Hedge, A. (1989) Sick building syndrome: the problem worldwide. Proceedings of Conference on Healthy Buildings by Design, 10th April, Royal Society of Medicine, London, U.K.
 9. Hedge, A. (1989) Environmental engineering: encouraging signs for the future. Proceedings of Conference on Healthy Buildings by Design, 10th April, Royal Society of Medicine, London, U.K.
 8. Hedge, A. (1989) “Intelligent” ventilation systems. International Seminar on Intelligent Buildings, 7th April, Royal Institute of British Architects, London, U.K.
 7. Hedge, A. (1988) Commentary and Analysis of the relevance of the NMB Bank Building for U.S. Projects. Presented at The New NMB Bank Building, Amsterdam. Design Briefing, Boston, MA., October, 5.
 6. Hedge, A. (1986) Impact of new technology on office worker's health: Implications for office design. Paper presented at 21st Congress of the International Association of Applied Psychology, 13-18 July, Jerusalem, Israel.
 5. Hedge, A. (1985) Psychological issues in office. Invited paper presented at the Golden Jubilee Conference of the Society of Occupational Medicine (Yorkshire Group), Rotherham General Hospital, Rotherham, 23 May 1985.
 4. Donald, I. and A. Hedge. (1984) Office evaluation: Sterile research on a fertile topic? Paper presented at IAPS 8, West Berlin, August.
 3. Hedge, A. (1984) Environmental psychology in the United Kingdom: A paedomorphic enterprise? Invited paper presented at the American Psychological Association Annual Conference, Toronto, Canada.
 2. Hedge, A. (1983) Office design and office workers' health. Invited paper presented at The Design of Work Environments: Implications for Productivity and Health, 3rd Annual Irvine Symposium on Environmental Psychology, 28-29 April, University of California, Irvine.
 1. Hedge, A. and N. Travis. (1979) User evaluation of Open-Plan Offices. Paper presented at an International Conference on Environmental Psychology, July, University of Surrey, Guildford.

Conferences

4. Organizing panel (invited), National Indoor Air Quality, 1997 conference.
3. Co-organizer of 2.5 day conference on “Indoor Air Quality, Immunity and Health: Recent Advances in Environmental Toxicology and Psychoneuroimmunology”, NC State Univ., Raleigh, NC. 1995.
2. Organizer a 2 day conference titled Addressing the Employee Health Crisis in Today’s Computerized Office, Cornell University, Ithaca, June 24-25.
1. Member of the Planning Committee, “Workshop on Occupational Stress and cardiovascular disease”, National Heart, Lung, and Blood Institute, 1988-1989

Symposia and Panels

17. Hedge, A. (2005) Practical Solutions in Office Ergonomic: From the frugal to the flamboyant. National Ergonomics Conference and Exposition, November 29 – December 3, Las Vegas, NV. Session Chair and Organizer.
16. Hedge, A. (2005) Best practices for site –wide hospital ergonomics. National Ergonomics Conference and Exposition, November 29 – December 3, Las Vegas, NV. Session Chair and Organizer.
15. Hedge, A. (2005) Indoor Air Quality and Productivity Advisory Panel, US EPA, 10/25-26/05, Panel Chair and Organizer.
14. Hedge, A. (2004) “Future office trends: Ergonomic challenges and opportunities”, National Ergonomics Conference and Exposition, Las Vegas, November 29-December 3, 2004.
13. Hedge, A. (2004) Session chair: Habitation Measurement, Habitation 04, Orlando, Florida, January 4-7.
12. Hedge, A. (2003) “The Impact of Ergonomics Regulations: A Global Perspective”, National Ergonomics Conference and Exposition, Las Vegas, December 9-11, 2003. Session Chair and Organizer.
11. Hedge, A. (2003) “Dynamic sitting”, Human Factors and Ergonomics Society 47th Annual Conference, Denver, October 13-17, 2003. Session Chair and Organizer.
10. Hedge, A. (2002) “Overcoming Challenges to Large-Scale Office Ergonomics Initiatives”, ”, National Ergonomics Conference and Exposition, Las Vegas, December 9-12, 2002. Session Chair and Organizer.
9. Hedge, A. (2002) “Choosing an Ergonomics Keyboard”, National Ergonomics Conference and Exposition, Las Vegas, December 9-12, 2002. Session Chair and Organizer.
8. Hedge, A. (2001) “Promises and Pitfalls of Ergonomic Tools and Technologies”, ”, National Ergonomics Conference and Exposition, Las Vegas, December 8-11, 2001. Session Chair and Organizer.
7. Hedge, A. (1994) Organizing a session on “Work Environment 2000: Ecological Ergonomics and Workplace Design for the 21st Century”.
6. Hedge, A. (1993) Panel Chair for “The Big Picture in Office Design”,
5. Hedge, A. (1992) Conference organizer and chair for Addressing the Employee Health Crisis in Today’s Computerized Office, Cornell University, Ithaca, June 24-25.
4. Hedge, A. (1989) Invited member of the panel on ‘Impacts on the individual: ergonomics, comfort, health, and safety. Tomorrow’s Workplaces: facilities design and management and the new communications technologies Univ. Montréal, 1-3 June.
3. Hedge, A. (1986) Office Design and New Technology. Symposium organized for 21st

- Congress of the International Association of Applied Psychology, 13-18 July, Jerusalem, Israel.
2. Hedge, A. (1982) Future developments in office environments. Symposium organized for 20th Congress of the International Association of Applied Psychology, 25-31 July, Edinburgh, Scotland.
 1. Hedge, A. (1982) Issues of housing research. Symposium organized for 20th Congress of the International Association of Applied Psychology, 25-31 July, Edinburgh, Scotland.

Examples of Research Talks, Seminars or Workshops (selection)

37. Hedge, A. (2011) Green Ergonomics: The Future of Green Buildings and Ecodesign, Schiavello, Mar 23, Melbourne, Australia
36. Hedge, A. (2011) Ergonomic Design of Computer Workspaces, Human Factors and Ergonomics Society of Australia, Sydney, Australia. ½ day workshop.
35. Hedge, A. (2009) The future of ergonomics. Advanced Ergonomics Course, State Fund (California) September 23, Vacaville, Ca.
34. Hedge, A. (2009) What makes a device ergonomic? Advanced Ergonomics Course, State Fund (California) September 23, Vacaville, Ca.
33. Hedge, A. (2009) Ergotecture, Faculty of Occupational Safety and health, University of Nis, Nis, Serbia. June 25.
32. Hedge, A. (2009) The need for computer ergonomics in healthcare IT, Evidence Based Hospital Design Forum, Georgetown University, January 29.
31. Hedge, A. (2008) Need a lift: Industrial Ergonomics and Material Handling, State Fund (California) October 22, Montebello, Ca.
30. Hedge, A. (2007) Office Ergonomics Workshop, State Fund (California), Oct. 17, San Diego, Ca.
29. Hedge, A. (2006) Research of the Human factors and Ergonomics Laboratory, 7th Annual Presidential Event, Cornell Silicon Valley, March 28, Mountainview, Ca.
28. Hedge, A. It's and ergonomic world or is it? Ergonomics, Human Factors and Ergonomics Society Western NY Chapter, Rochester Institute of Technology 11/17/05
27. Hedge, A. Ergonomics for Everyone, Ergonomics Symposium, Cornell Campus Club, 10/20/05
26. Hedge, A. The science of Ergonomics, Colgate-Palmolive, 10/14/05
25. Hedge, A. The School Environment: Effects on Student Well-being and Learning, Connecticut School Buildings and Grounds Association, 12/15/04
24. Hedge, A. (2004) Advanced workstation designs, National Ergonomics Conference and Exposition, Las Vegas, November 29-December 3, 2004.
23. Hedge, A. (2004) Ergonomics benefits everyone! Invited Opening Keynote address, 40th Conference of the Human Factors and Ergonomics Society of Australia (HFESA) and the 7th conference of the Pan Pacific Council on Occupational Ergonomics (PPCOE), August 23, Cairns, Australia, 2004.
22. Hedge, A. (2004) The Modern Office, half-day workshop at the 40th Conference of the Human Factors and Ergonomics Society of Australia (HFESA) and the 7th conference of the Pan Pacific Council on Occupational Ergonomics (PPCOE) August 22, Cairns, Australia, 2004.
21. Hedge, A. (2004) Economics of ergonomics, Invited Keynote address, Canadian Facilities Management Conference, Toronto, 4/6/04
20. Hedge, A. Tomorrow's Workstations: Office ergonomics and the future, IIDA SF

- chapter, 6, 2003.
19. Hedge, A. Computer Ergonomics Bergen County Technical School, NJ , 5/2002
 18. Hedge, A. Office ergonomics. NASA, Kennedy Space Center, Florida, 10/14/99.
 17. Hedge, A. Factors predicting the sick building syndrome at the Individual and Aggregate Levels, Lawrence Berkeley National Laboratory, Environmental Energy Technologies Division, Berkeley, CA. 10/3/97.
 16. Hedge, A. (1997) Future directions in office lighting, Toyota Motor Company, Torrance, CA, 9/20/97.
 15. Shaw, G. and Hedge, A. (1997) Office Ergonomics. Presentation at the OSHA Regional Conference on Ergonomics, 9/15/97
 14. Sick buildings: a problem for engineers or psychologists? Cornell Univ., Dept. Psychology, 12/6/96.
 13. Musculoskeletal injuries associated with computer use. Central NY OSHA, Amer. Indust. Hyg. Assoc., and Amer. Assoc Safety Eng., Cortland, 11/21/96.
 12. Do we really need a new ventilation standard? Central NY ASHRAE, Ithaca, 10/15/96.
 11. Ventilation, air quality and sources of contamination, Southern Tier Builders Association, Ithaca, 9/7/95.
 10. Indoor Air Quality and the sick building syndrome, Southern Tier Builders Association, Marathon, 3/8/95.
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Exhibit 2

TESTIMONY HISTORY
ALAN HEDGE, PhD, CPE, FHFES, FIEHF, FIEA, AFBPsS,
CCSF Faculty Fellow
1/2007 – 1/2012

Case Caption	Law Firm	Testimony	Date
Metamorfyx, LLC v. Microsoft Corporation	Perkins Coie 1201 Third Avenue Suite 4800 Seattle, WA 98101-3099	Arbitration	2010

Exhibit 3

Exhibit 3

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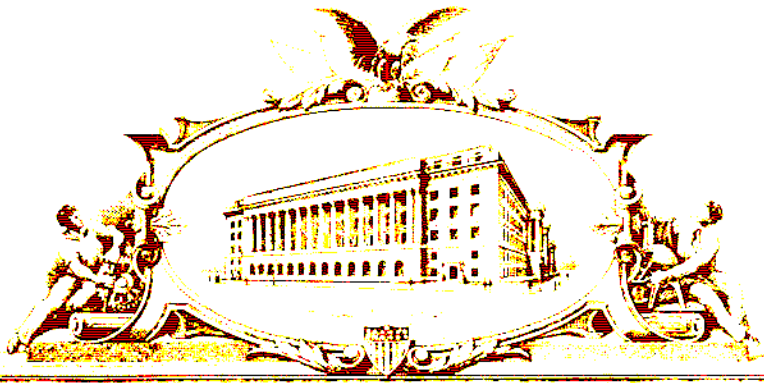
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The Following Devices Were Also Considered by Alan Hedge

- Nokia X5-01
- Samsung Omnia HD
- Samsung Sunburst
- Samsung Gravity Touch SCH-T669
- LG Optimus T
- Pantech Crossover P8000
- Nokia Lumia 800
- Samsung Beat DJ M7600
- Sony Ericsson Xperia Arc S
- Samsung Gem SCH-I100
- Casio GzOne Commando 4500
- Barnes & Noble Nook
- Vinci Tablet
- Acer Iconia A500
- Coby Kyros MID8125
- Sony Tablet S
- Sony Tablet P
- Samsung Q1

Exhibit 4



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

July 19, 2011

**THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM
THE RECORDS OF THIS OFFICE OF:**

**U.S. PATENT: *D593,087*
ISSUE DATE: *May 26, 2009***

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office



M. Tarver
M. TARVER
Certifying Officer



US00D593087S

(12) **United States Design Patent**
Andre et al.

(10) **Patent No.:** **US D593,087 S**
(45) **Date of Patent:** **** May 26, 2009**

(54) **ELECTRONIC DEVICE**

(56)

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(75) **Inventors:** **Bartley K. Andre**, Menlo Park, CA (US); **Daniel J. Coster**, San Francisco, CA (US); **Daniele De Iullis**, San Francisco, CA (US); **Richard P. Howarth**, San Francisco, CA (US); **Jonathan P. Ive**, San Francisco, CA (US); **Steve Jobs**, Palo Alto, CA (US); **Duncan Robert Kerr**, San Francisco, CA (US); **Shin Nishibori**, San Francisco, CA (US); **Matthew Dean Rohrbach**, San Francisco, CA (US); **Douglas B. Satzger**, Menlo Park, CA (US); **Calvin Q. Seid**, Palo Alto, CA (US); **Christopher J. Stringer**, Portola Valley, CA (US); **Eugene Antony Whang**, San Francisco, CA (US); **Rico Zorkendorfer**, San Francisco, CA (US)

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(73) **Assignee:** **Apple Inc.**, Cupertino, CA (US)

(**) **Term:** **14 Years**

(21) **Appl. No.:** **29/282,833**

(22) **Filed:** **Jul. 30, 2007**

Related U.S. Application Data

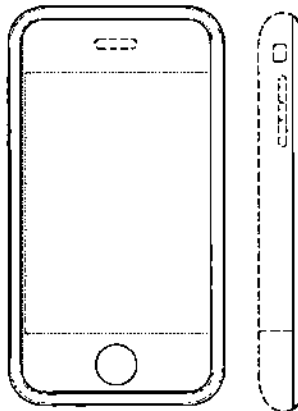
(63) Continuation of application No. 29/270,880, filed on Jan. 5, 2007, now Pat. No. Des. 558,756.

(51) **LOC (9) Cl.** **14-03**

(52) **U.S. Cl.** **D14/341; D14/203.7; D14/138 G**

(58) **Field of Classification Search** **D14/137, D14/138, 147, 191, 218, 247-248, 341-347, D14/496, 138 R, 138 AA, 138 AB, 138 AC, D14/138 AD, 138 C, 138 G; D10/65, 78, D10/104; D13/168; D18/7; 455/556.1, 455/566, 575.1, 575.3; 345/169**

See application file for complete search history.



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Primary Examiner—Jeffrey D Asch
Assistant Examiner—Bridget L Eland
 (74) *Attorney, Agent, or Firm*—Sterne, Kessler, Goldstein & Fox P.L.L.C.

(57) CLAIM

The ornamental design of an electronic device, substantially as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an electronic device in accordance with the present invention;

FIG. 2 is a rear perspective view of the electronic device in FIG. 1;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is bottom view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is a right side view thereof;

FIG. 9 is a front perspective view of another embodiment of an electronic device in accordance with the present invention;

FIG. 10 is a rear perspective view of the electronic device in FIG. 9;

FIG. 11 is a front view thereof;
FIG. 12 is a rear view thereof;
FIG. 13 is a top view thereof;
FIG. 14 is bottom view thereof;
FIG. 15 is a left side view thereof;
FIG. 16 is a right side view thereof,
FIG. 17 is a front perspective view of another embodiment of an electronic device in accordance with the present invention;
FIG. 18 is a rear perspective view of the electronic device in FIG. 17;
FIG. 19 is a front view thereof;
FIG. 20 is a rear view thereof;
FIG. 21 is a top view thereof;
FIG. 22 is bottom view thereof;
FIG. 23 is a left side view thereof;
FIG. 24 is a right side view thereof;
FIG. 25 is a front perspective view of another embodiment of an electronic device in accordance with the present invention;
FIG. 26 is a rear perspective view of the electronic device in FIG. 25;
FIG. 27 is a front view thereof;
FIG. 28 is a rear view thereof;
FIG. 29 is a top view thereof;
FIG. 30 is bottom view thereof;
FIG. 31 is a left side view thereof;
FIG. 32 is a right side view thereof;
FIG. 33 is a front perspective view of another embodiment of an electronic device in accordance with the present invention;

FIG. 34 is a rear perspective view of the electronic device in FIG. 33;
FIG. 35 is a front view thereof;
FIG. 36 is a rear view thereof;
FIG. 37 is a top view thereof;
FIG. 38 is bottom view thereof;
FIG. 39 is a left side view thereof;
FIG. 40 is a right side view thereof;
FIG. 41 is a front perspective view of another embodiment of an electronic device in accordance with the present invention;
FIG. 42 is a rear perspective view of the electronic device in FIG. 41;
FIG. 43 is a front view thereof;
FIG. 44 is a rear view thereof;
FIG. 45 is a top view thereof;
FIG. 46 is bottom view thereof;
FIG. 47 is a left side view thereof; and,
FIG. 48 is a right side view thereof.

The broken lines showing the remainder of the electronic device are directed to environment. The broken lines, within the claimed design, in embodiments 1, 2, and 4 that depict an elongated oval shape and the broken lines, within the claimed design, in embodiments 2, 3, and 6 that depict a circle shape are superimposed on a continuous surface and are for illustrative purposes only. The broken lines, within the claimed design, in embodiments 1, 3, and 5 that depict a large rectangular shape, indicate a non claimed shape below the continuous front surface and are for illustrative purposes only. None of the broken lines form a part of the claimed design.

1 Claim, 12 Drawing Sheets

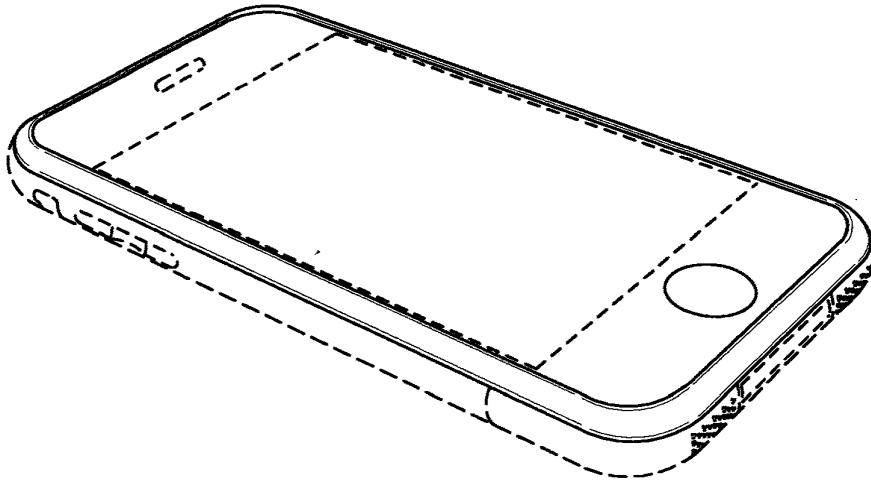


FIG. 1

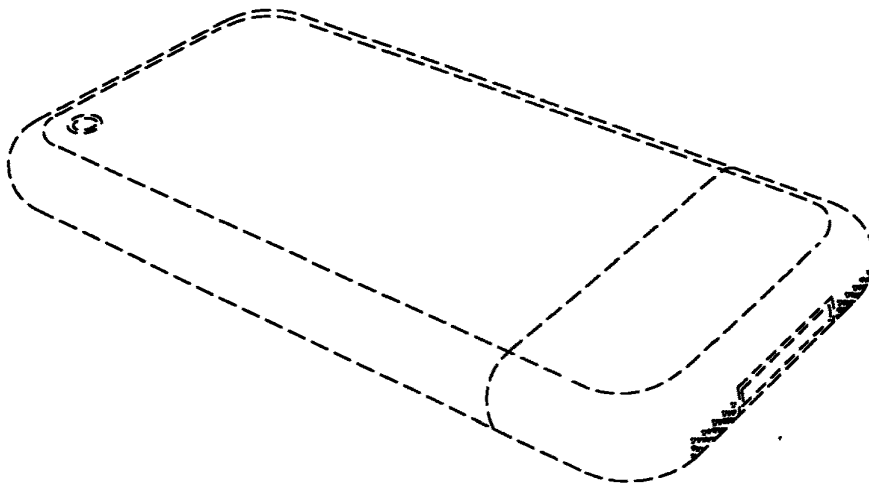


FIG. 2

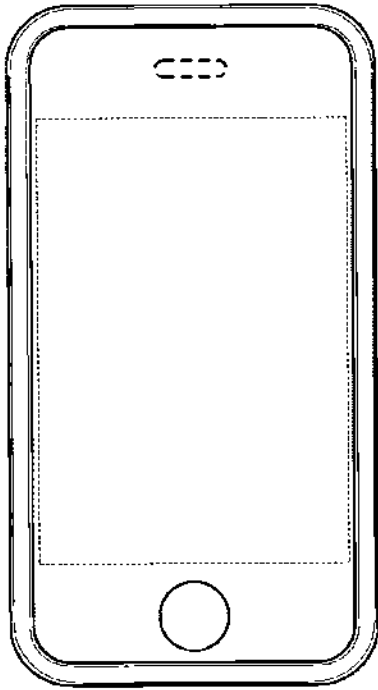


FIG. 3

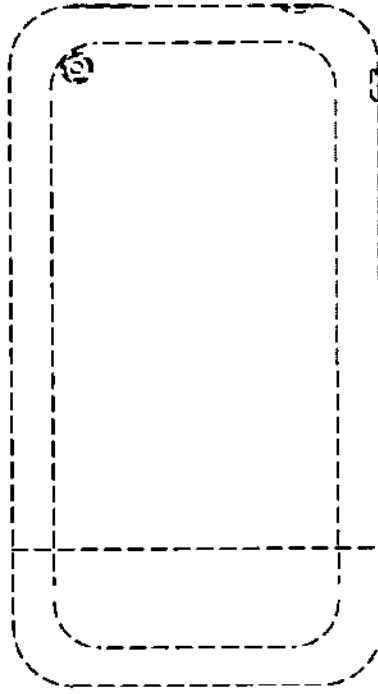


FIG. 4

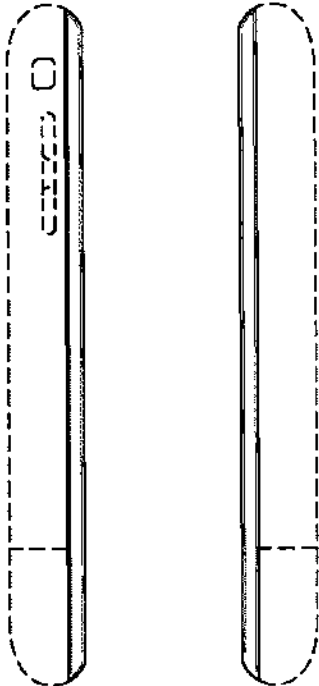


FIG. 7

FIG. 8



FIG. 5



FIG. 6

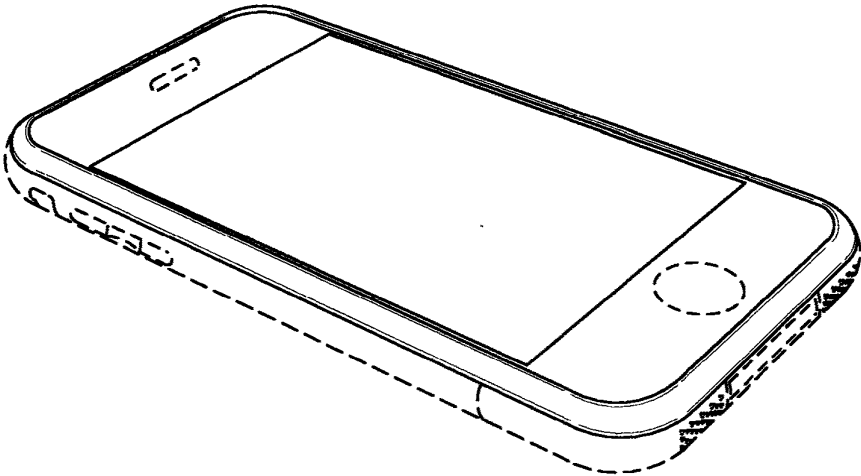


FIG. 9

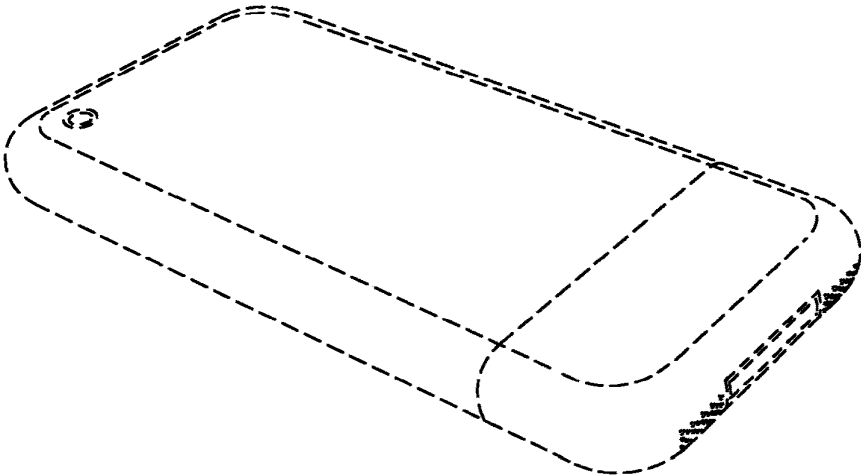


FIG. 10

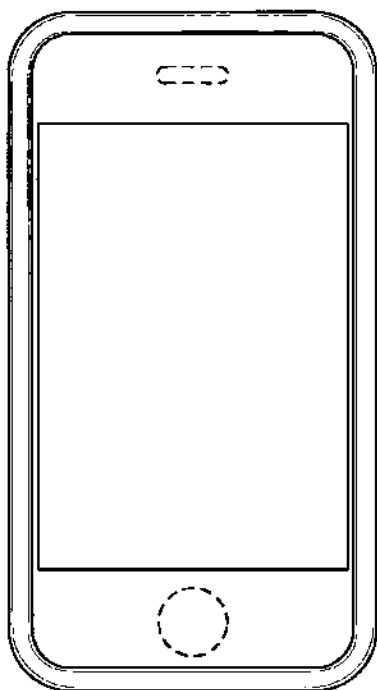


FIG. 11

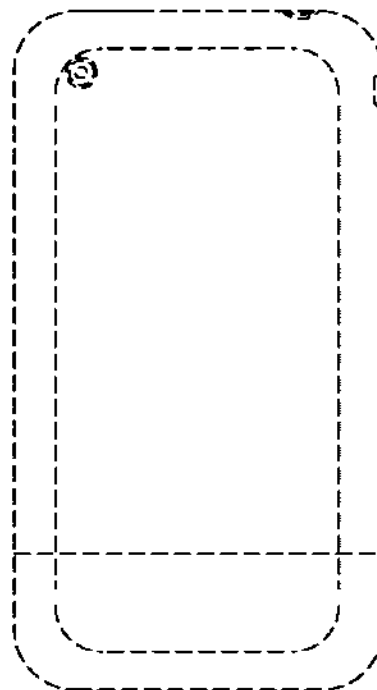


FIG. 12

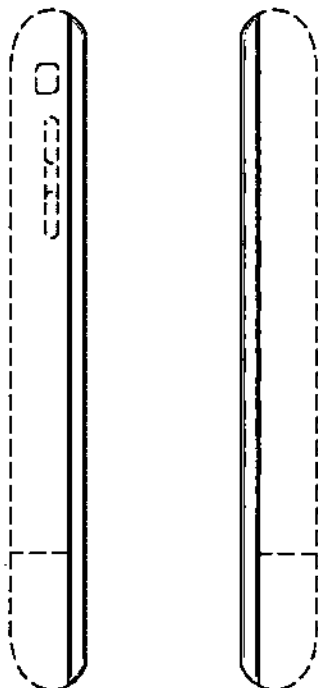


FIG. 15

FIG. 16

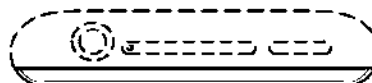


FIG. 13

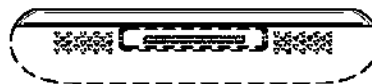


FIG. 14

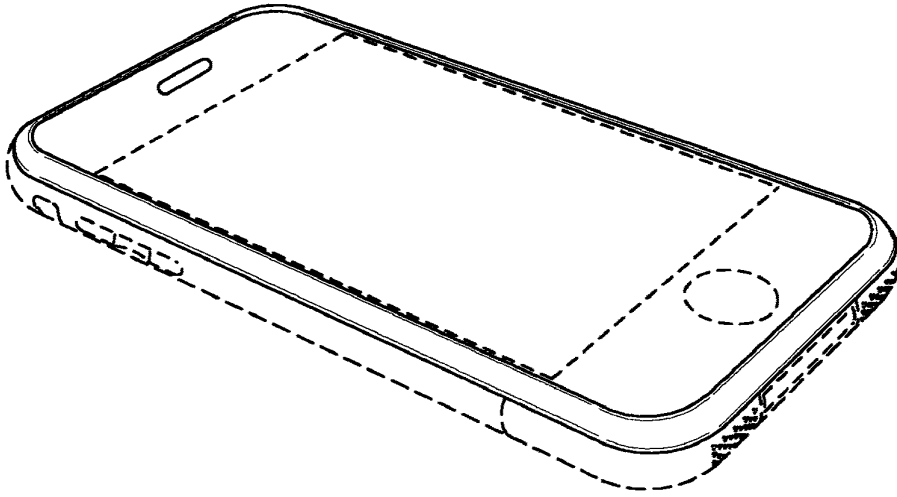


FIG. 17

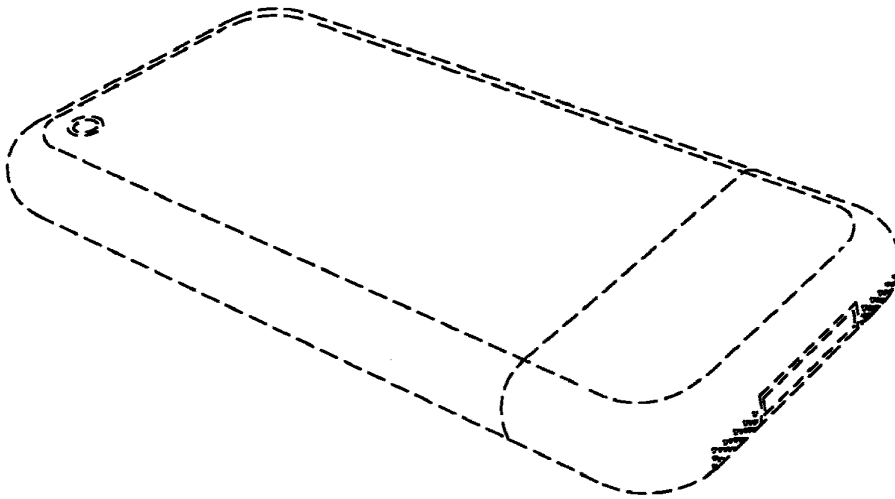


FIG. 18

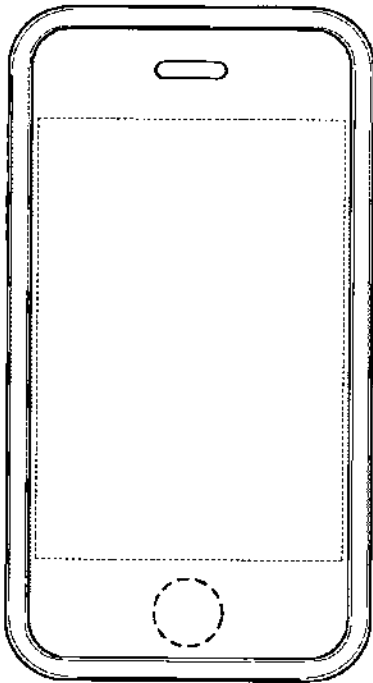


FIG. 19

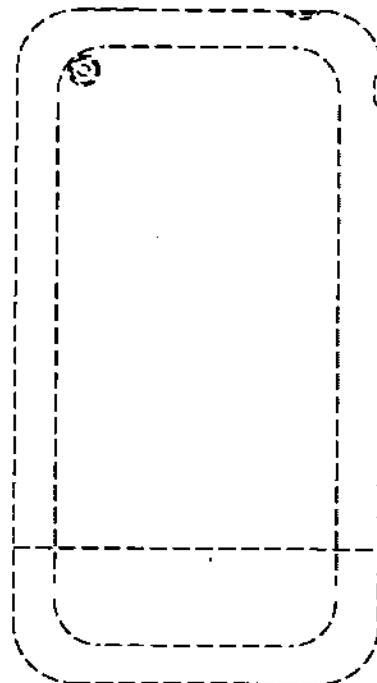


FIG. 20

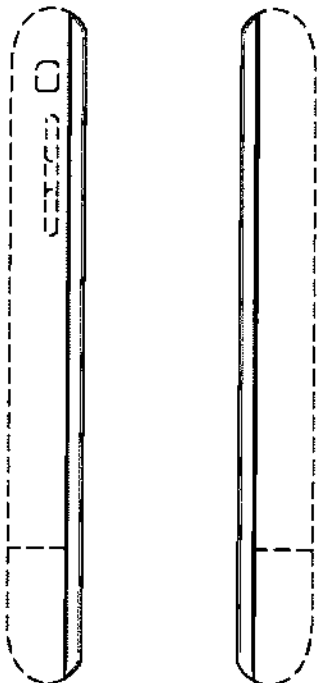


FIG. 23

FIG. 24



FIG. 21



FIG. 22

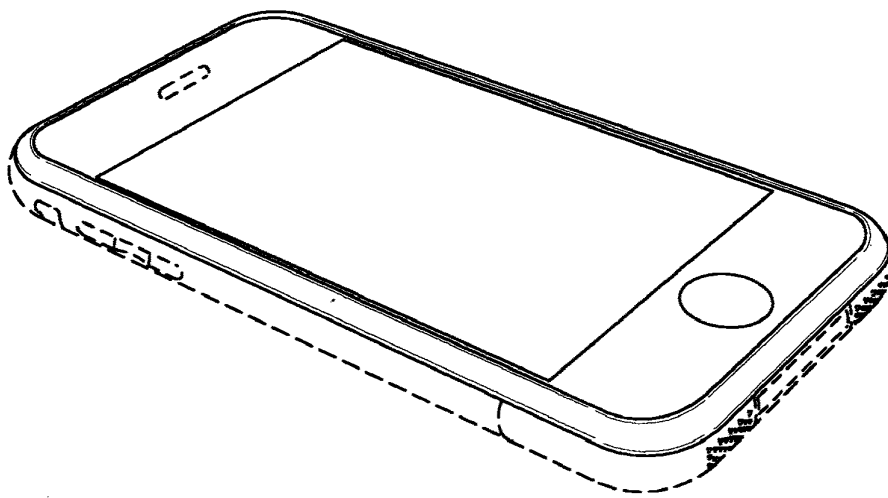


FIG. 25

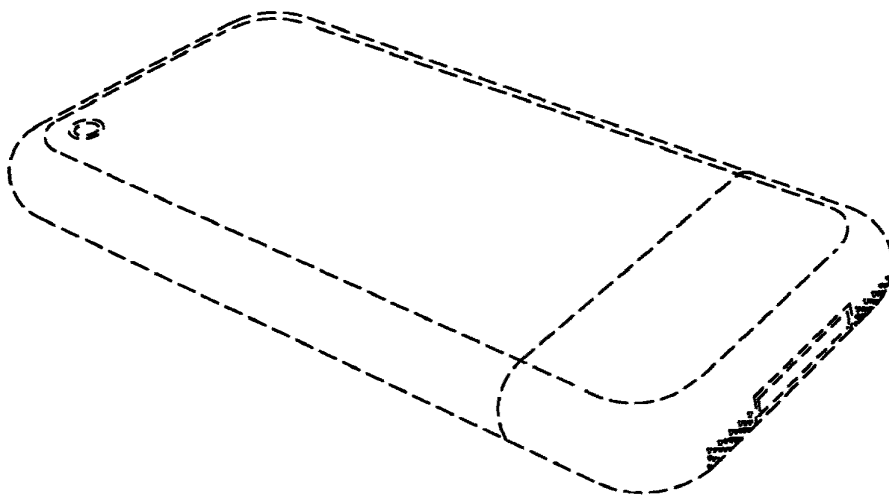


FIG. 26

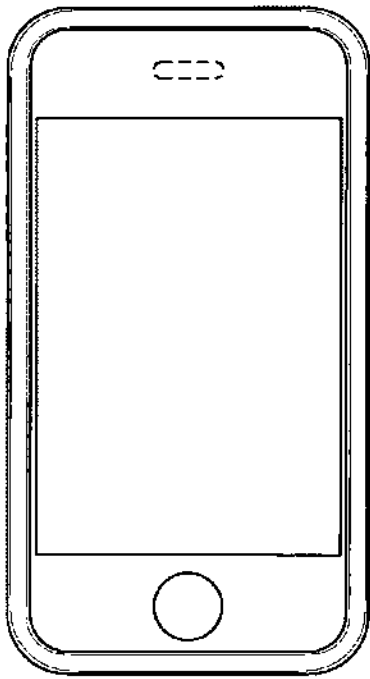


FIG. 27

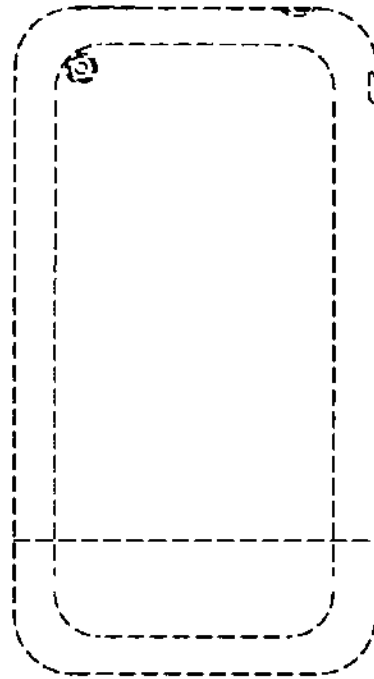


FIG. 28



FIG. 31



FIG. 32

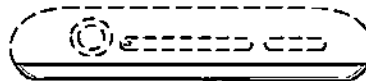


FIG. 29

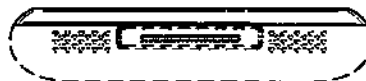


FIG. 30

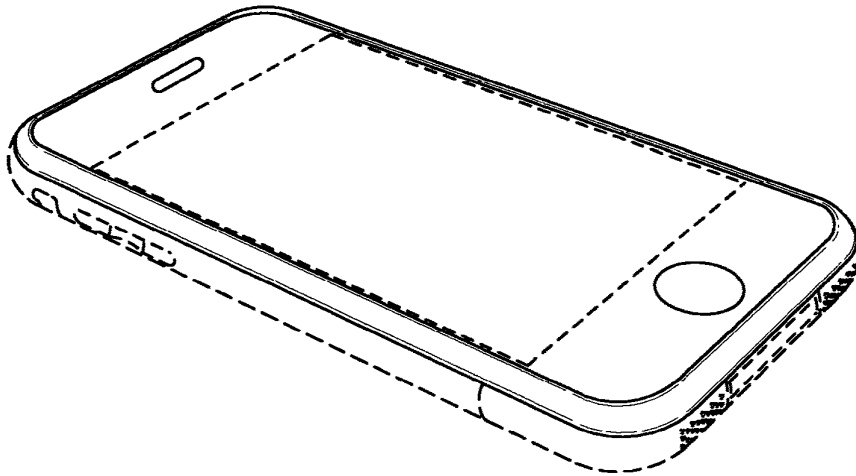


FIG. 33

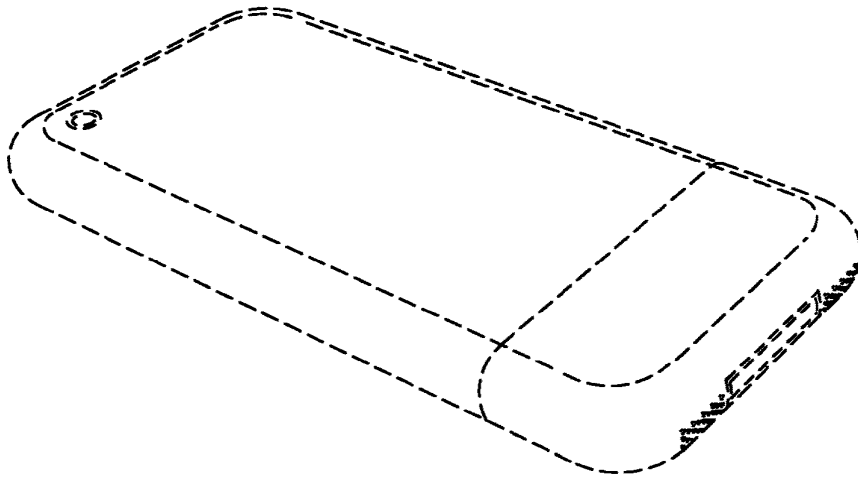


FIG. 34

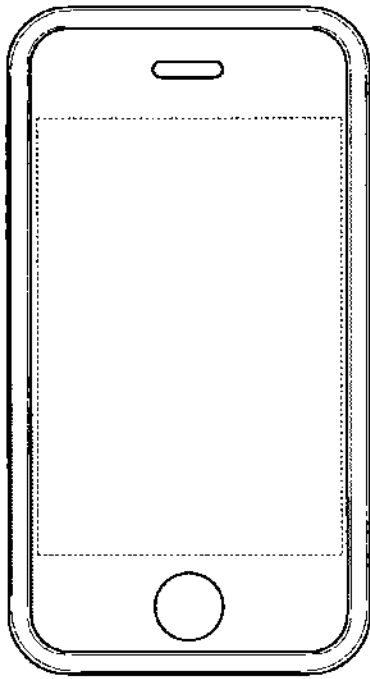


FIG. 35

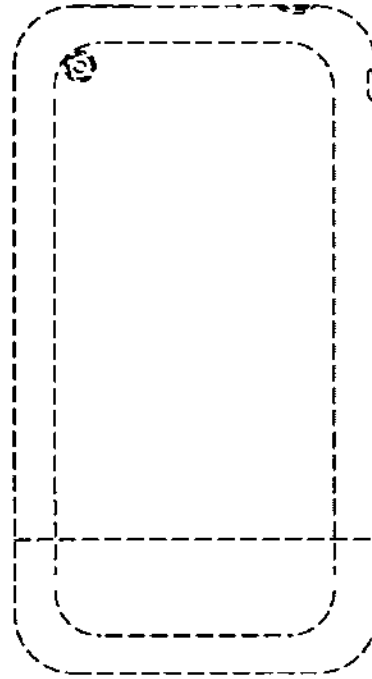


FIG. 36

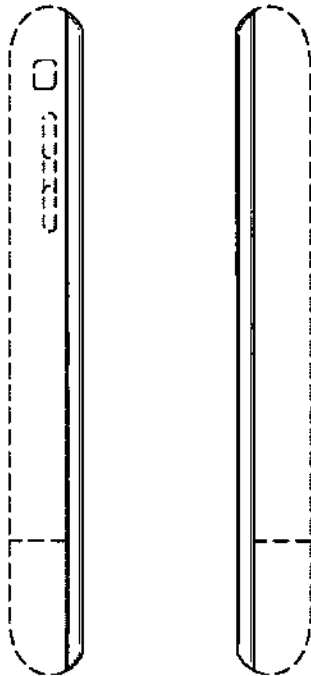


FIG. 39

FIG. 40



FIG. 37



FIG. 38

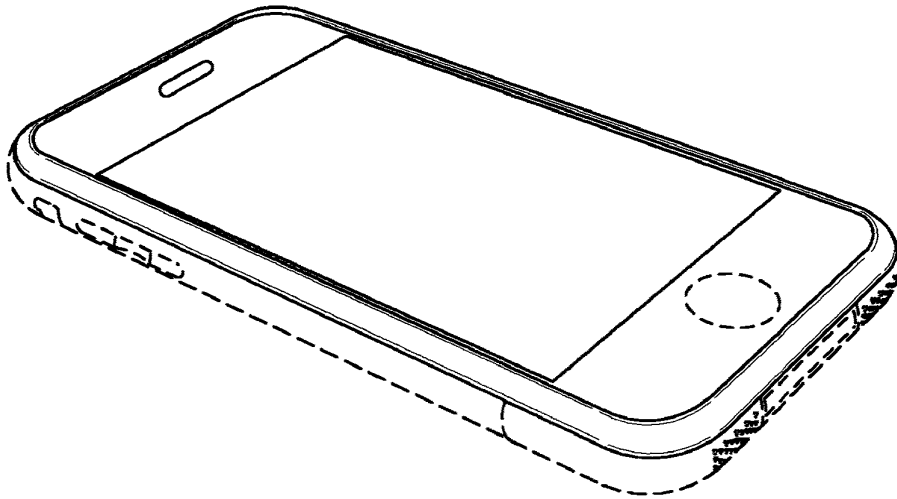


FIG. 41

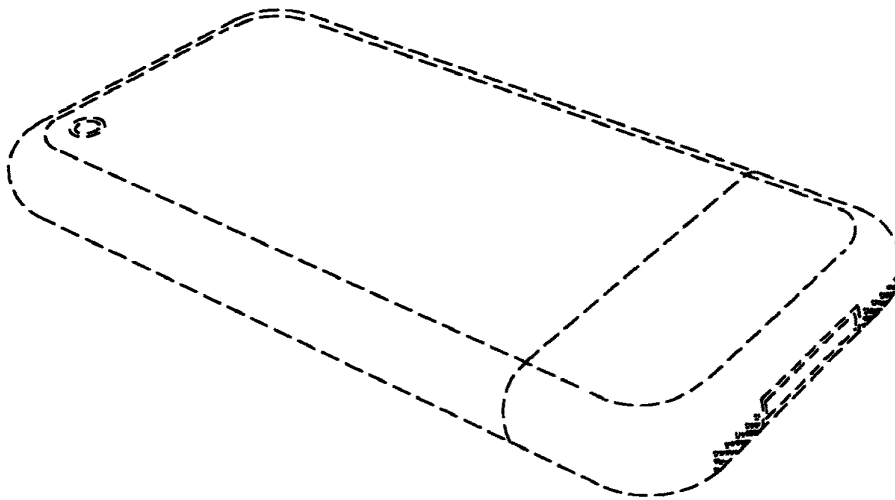


FIG. 42

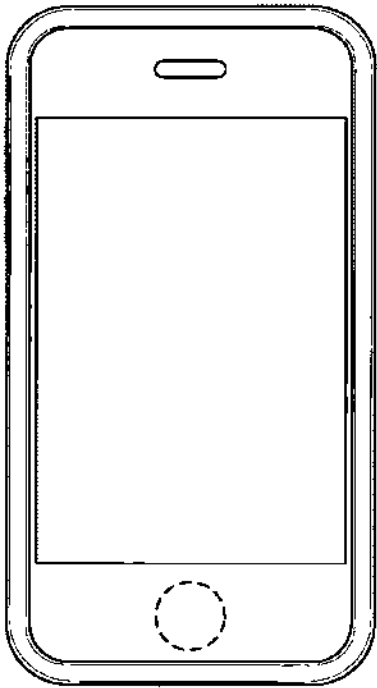


FIG. 43

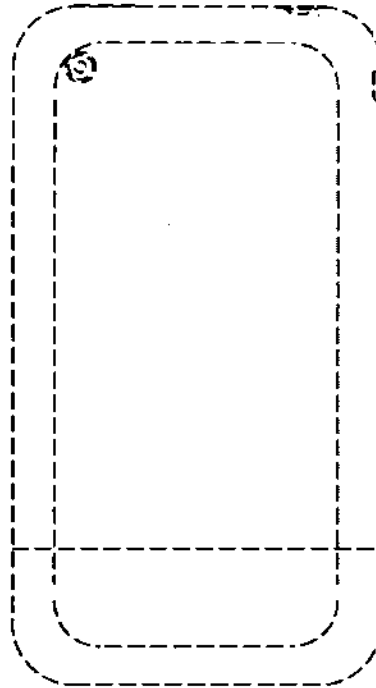


FIG. 44

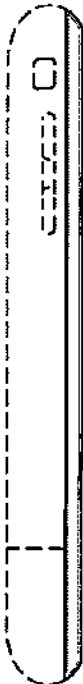


FIG. 47



FIG. 48

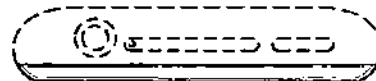


FIG. 45

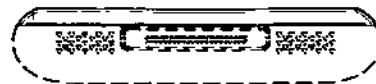
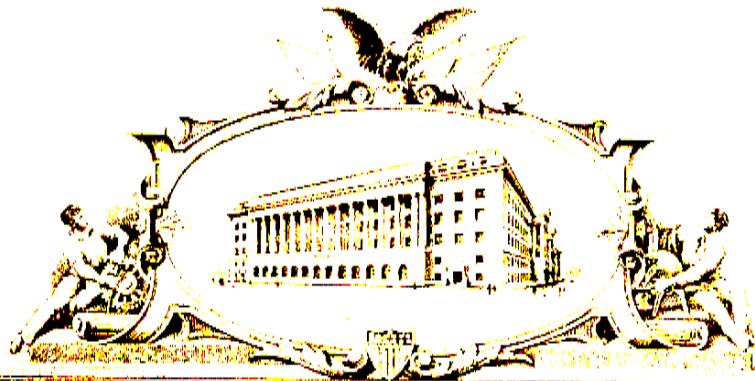


FIG. 46

Exhibit 5



THE UNITED STATES OF AMERICA

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United States Patent and Trademark Office**


April 26, 2011

**THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM
THE RECORDS OF THIS OFFICE OF:**

**U.S. PATENT: *D618,677*
ISSUE DATE: *June 29, 2010***

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office




P. SWAIN
Certifying Officer



US00D618677S

(12) **United States Design Patent**
Andre et al.

(10) **Patent No.:** **US D618,677 S**
(45) **Date of Patent:** **** *Jun. 29, 2010**

(54) **ELECTRONIC DEVICE**

- (75) **Inventors:** **Bartley K. Andre**, Menlo Park, CA (US); **Daniel J. Coster**, San Francisco, CA (US); **Daniele De Iulius**, San Francisco, CA (US); **Richard P. Howarth**, San Francisco, CA (US); **Jonathan P. Ive**, San Francisco, CA (US); **Steve Jobs**, Palo Alto, CA (US); **Duncan Robert Kerr**, San Francisco, CA (US); **Shin Nishibori**, Portola Valley, CA (US); **Matthew Dean Rohrbach**, San Francisco, CA (US); **Douglas B. Satzger**, Menlo Park, CA (US); **Calvin Q. Seld**, Palo Alto, CA (US); **Christopher J. Stringer**, Woodside, CA (US); **Eugene Antony Whang**, San Francisco, CA (US); **Rico Zorkendorfer**, San Francisco, CA (US)
- (73) **Assignee:** **Apple Inc.**, Cupertino, CA (US)
- (*) **Notice:** This patent is subject to a terminal disclaimer.
- (**) **Term:** **14 Years**
- (21) **Appl. No.:** **29/328,018**
- (22) **Filed:** **Nov. 18, 2008**

Related U.S. Application Data

- (60) Division of application No. 29/282,834, filed on Jul. 30, 2007, now Pat. No. Des. 581,922, which is a continuation of application No. 29/270,888, filed on Jan. 5, 2007, now Pat. No. Des. 558,758.
- (51) **LOC (9) Cl.** **14-02**
- (52) **U.S. Cl.** **D14/341; D14/248; D14/203.7**
- (58) **Field of Classification Search** **D14/341, D14/342, 343, 344, 345, 346, 347, 420, 426, D14/427, 432, 439, 440, 441, 448, 496, 125, D14/137, 129, 130, 138, 250, 389, 147, 218, D14/247, 248, 156; D10/65, 104; D13/168; D18/6, 7; D21/329, 686; 455/90.3, 556.1, 455/556.2, 575.1, 575.3, 575.4; 379/433.01, 379/433.04, 433.06, 433.07; 361/814; 341/22; 345/169, 173; D6/596, 601, 605**
See application file for complete search history.

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Primary Examiner—Cathron C Brooks
Assistant Examiner—Angela J Lee
(74) *Attorney, Agent, or Firm*—Stern, Kessler, Goldstein & Fox PLLC

(57) **CLAIM**

The ornamental design of an electronic device, as shown and described.

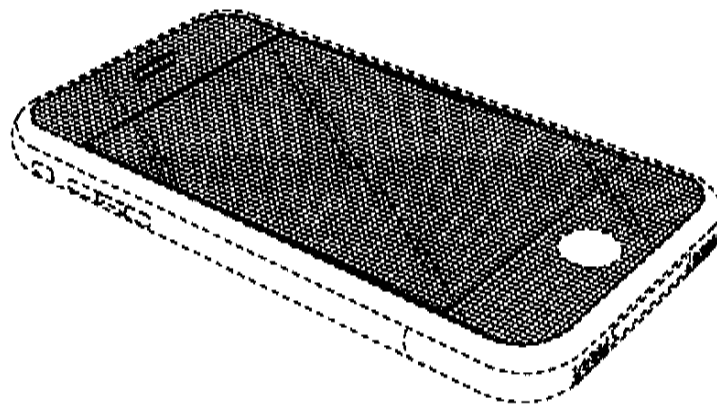
DESCRIPTION

- FIG. 1 is a front perspective view of an electronic device in accordance with the present invention;
- FIG. 2 is a rear perspective view thereof;
- FIG. 3 is a front view thereof;
- FIG. 4 is a rear view thereof;
- FIG. 5 is a top view thereof;
- FIG. 6 is bottom view thereof;
- FIG. 7 is a left side view thereof; and,
- FIG. 8 is a right side view thereof.

The claimed surface of the electronic device is illustrated with the color designation for the color black.

The electronic device is not limited to the scale shown herein. As indicated in the title, the article of manufacture to which the ornamental design has been applied is an electronic device, media player (e.g., music, video and/or game player), media storage device, a personal digital assistant, a communication device (e.g., cellular phone), a novelty item or toy.

1 Claim, 2 Drawing Sheets



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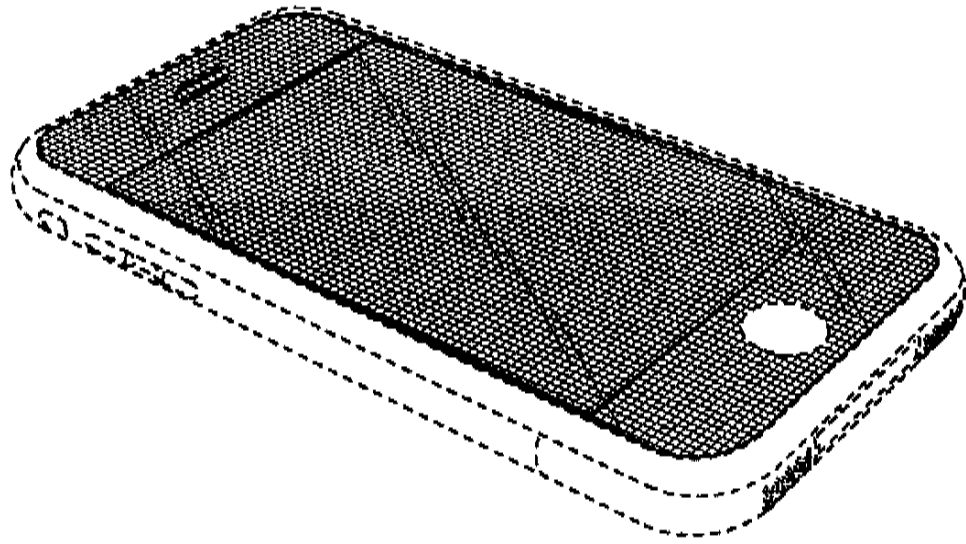


FIG. 1

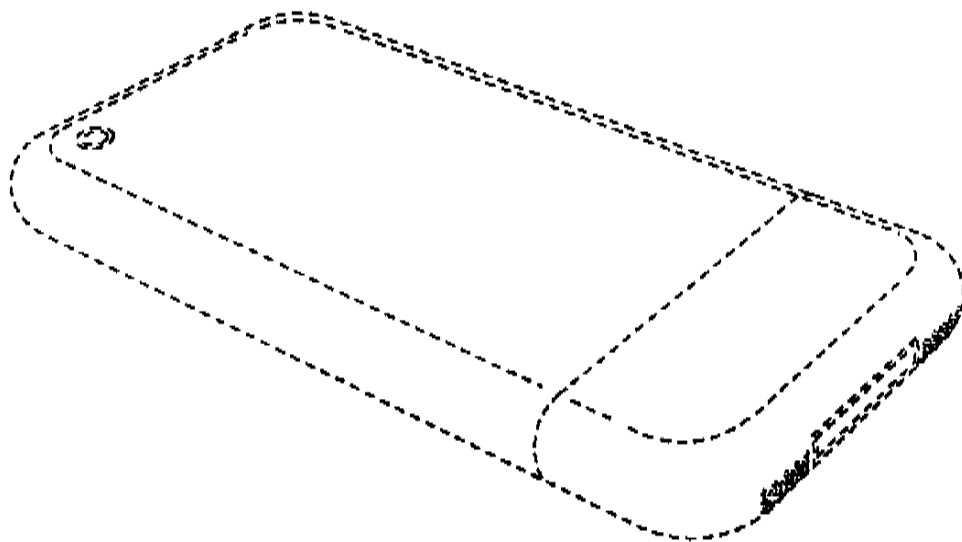


FIG. 2

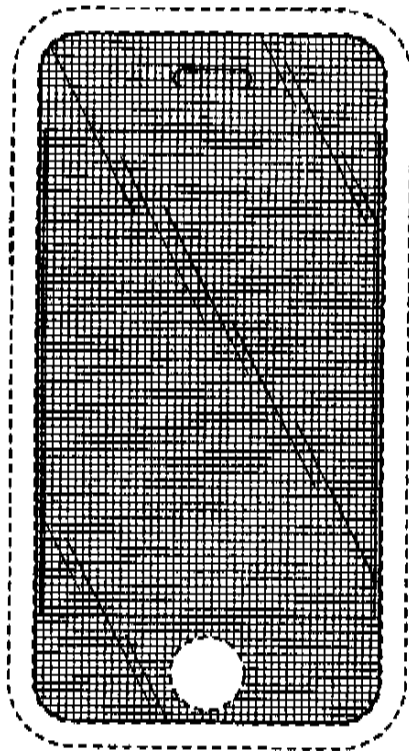


FIG. 3

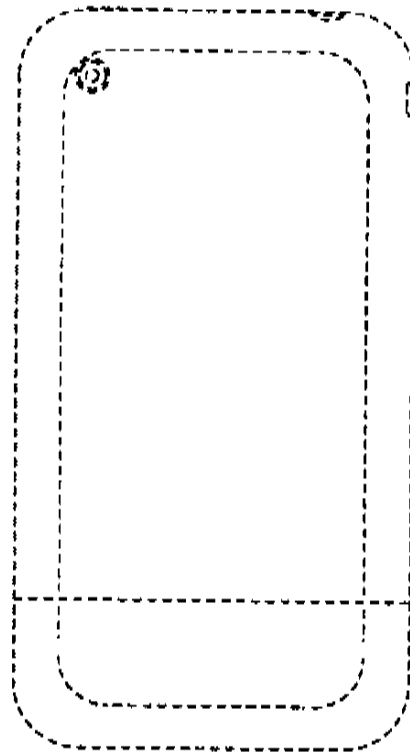


FIG. 4



FIG. 7



FIG. 8

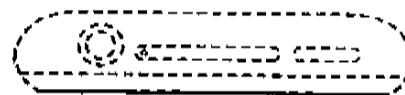


FIG. 5

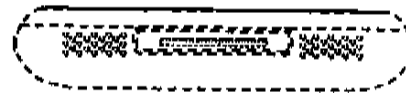
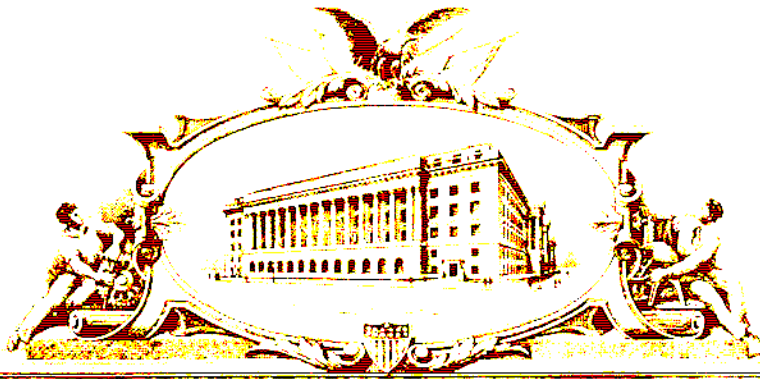


FIG. 6

Exhibit 6



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**THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM
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**U.S. PATENT: *D622,270*
ISSUE DATE: *August 24, 2010***

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M. K. CARTER
Certifying Officer



US00D622270S

(12) **United States Design Patent**
Andre et al.

(10) **Patent No.:** **US D622,270 S**
(45) **Date of Patent:** **** Aug. 24, 2010**

(54) **ELECTRONIC DEVICE**

(75) **Inventors:** **Bartley K. Andre**, Menlo Park, CA (US); **Daniel J. Coster**, San Francisco, CA (US); **Daniele De Iullis**, San Francisco, CA (US); **Richard P. Howarth**, San Francisco, CA (US); **Jonathan P. Ive**, San Francisco, CA (US); **Steve Jobs**, Palo Alto, CA (US); **Duncan Robert Kerr**, San Francisco, CA (US); **Shin Nishihori**, Portola Valley, CA (US); **Matthew Dean Rohrbach**, San Francisco, CA (US); **Peter Russell-Clarke**, San Francisco, CA (US); **Douglas B. Satzger**, Menlo Park, CA (US); **Calvin Q. Seid**, Palo Alto, CA (US); **Vincent Keane Seid**, legal representative, Los Gatos, CA (US); **Christopher J. Stringer**, Woodside, CA (US); **Eugene Antony Whang**, San Francisco, CA (US); **Rico Zorkendorfer**, San Francisco, CA (US)

(73) **Assignee:** **Apple Inc.**, Cupertino, CA (US)

(**) **Term:** **14 Years**

(21) **Appl. No.:** **29/344,620**

(22) **Filed:** **Oct. 1, 2009**

Related U.S. Application Data

(63) Continuation of application No. 29/284,188, filed on Aug. 31, 2007, now Pat. No. Des. 602,486.

(51) **LOC (9) Cl.** **14-02**

(52) **U.S. Cl.** **D14/341**

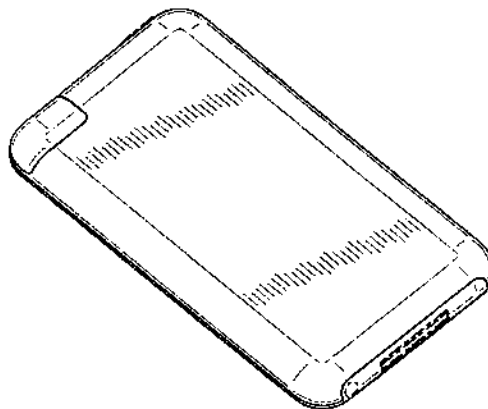
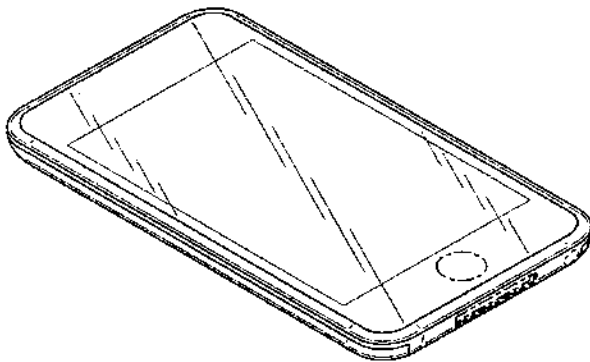
(58) **Field of Classification Search** D14/341-347, D14/137, 138, 138.1, 138 AA, 138 R, 138 AB, D14/18 AC, 138 AD, 138 C, 138 G, 496, D14/203.1, 203.3, 203.4, 203.5, 203.6, 203.7, D14/402-411, 431, 417, 426, 427, 428, 432, D14/429, 129, 130, 420, 439-441, 448, 125, D14/147, 156, 218, 247-248, 250, 389; D10/65, D10/104; D21/324, 329, 330, 331; 455/556.1, 455/556.2, 566, 575.1, 575.3, 575.4, 90.3, 455/6.1; 379/433.04, 433.11, 433.12, 433.13, 379/910, 916, 433.01, 433.06, 433.07; 345/169, 345/901, 905; 361/814; 341/122; 346/173; 273/454-456, 459-461, 153 R, 148 R, 148 B, 273/259, 138.2, 237; 463/1, 46, 47, 47.3; D3/18, 19, 26, 200, 201, 203.1-203.8, 205, D3/207, 212, 218, 226-228, 247, 250, 265, D3/269, 272, 303, 304, 309, 315, 321; D9/700, D9/500, 414, 337; D28/5, 61, 73, 76, 78, D28/83

See application file for complete search history.

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Primary Examiner—Jennifer Rivard
 Assistant Examiner—Barbara Fox
 (74) Attorney, Agent, or Firm—Sterne, Kessler, Goldstein & Fox PLLC

(57) CLAIM

The ornamental design for an electronic device, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an electronic device showing our new design;
 FIG. 2 is a rear perspective thereof;
 FIG. 3 is a front view thereof;
 FIG. 4 is a rear view thereof;
 FIG. 5 is a left side view thereof;
 FIG. 6 is right side view thereof;
 FIG. 7 is a top plan view thereof;
 FIG. 8 is a bottom plan view thereof; and,
 FIG. 9 is an enlarged elevational view of a representative corner of the electronic device.

The broken lines show portions of the electronic device which form no part of the claimed design.

1 Claim, 5 Drawing Sheets

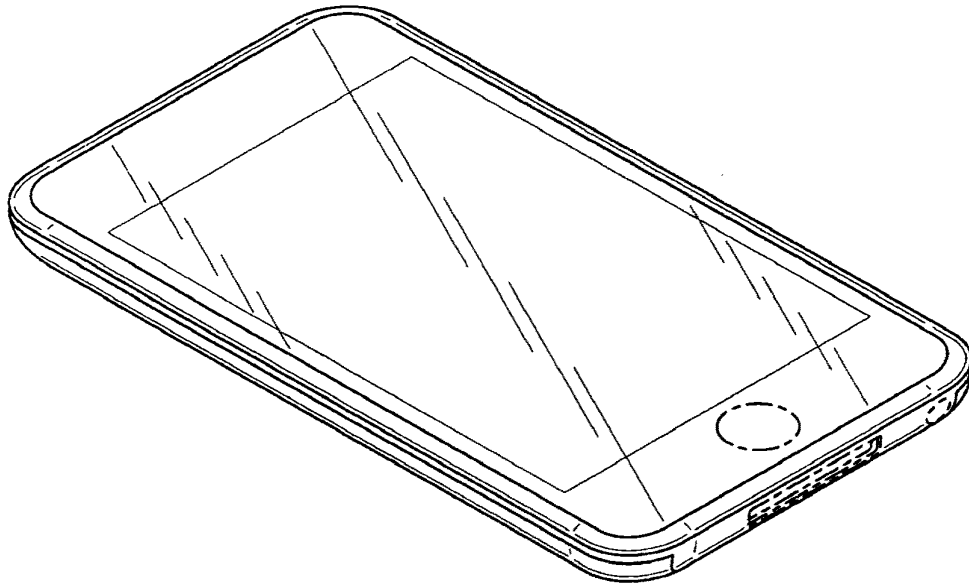


FIG. 1

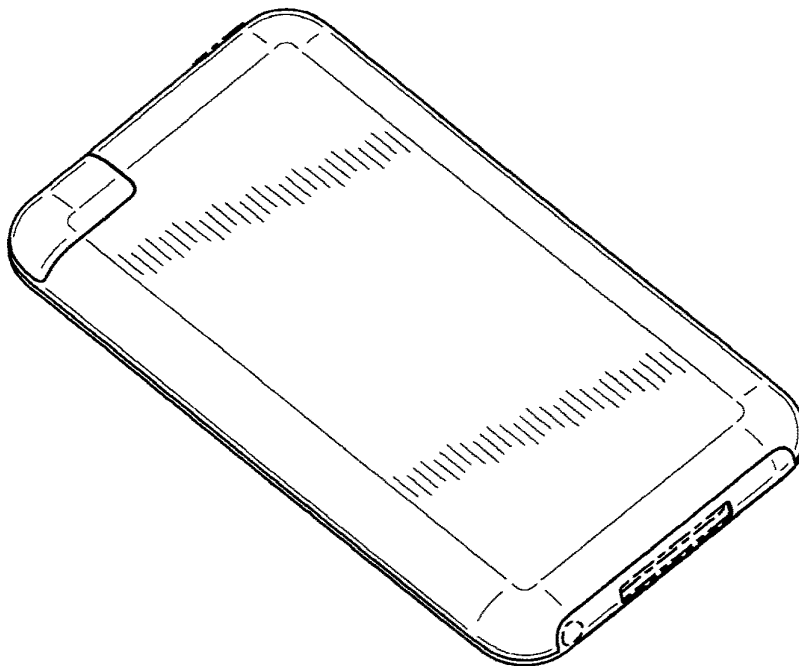


FIG. 2

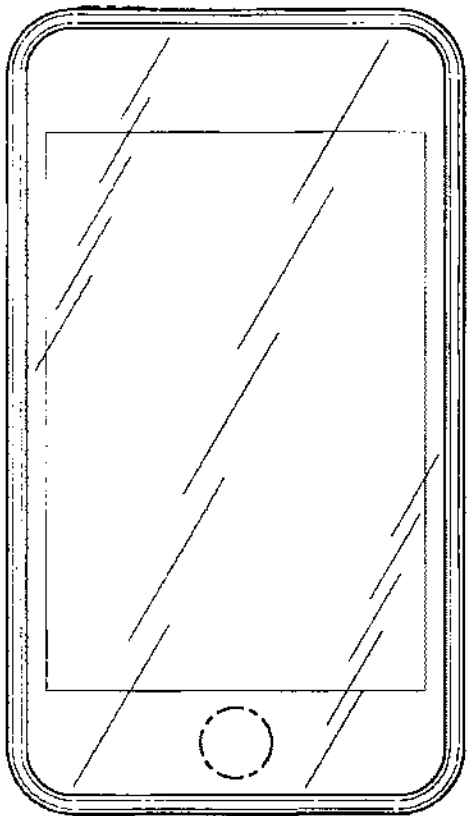


FIG. 3

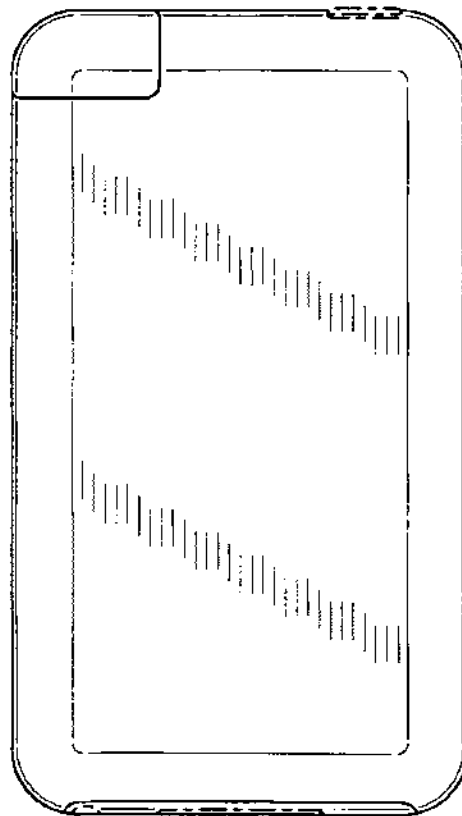


FIG. 4



FIG. 5



FIG. 6

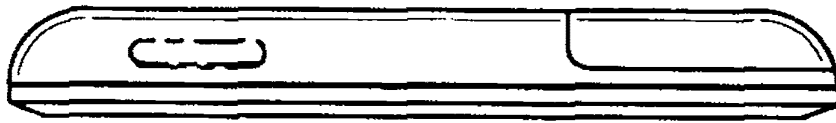


FIG. 7

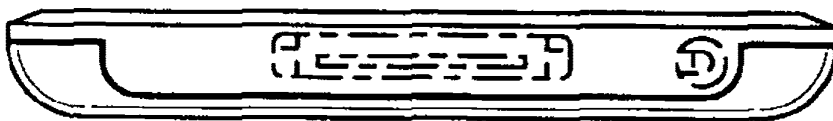


FIG. 8

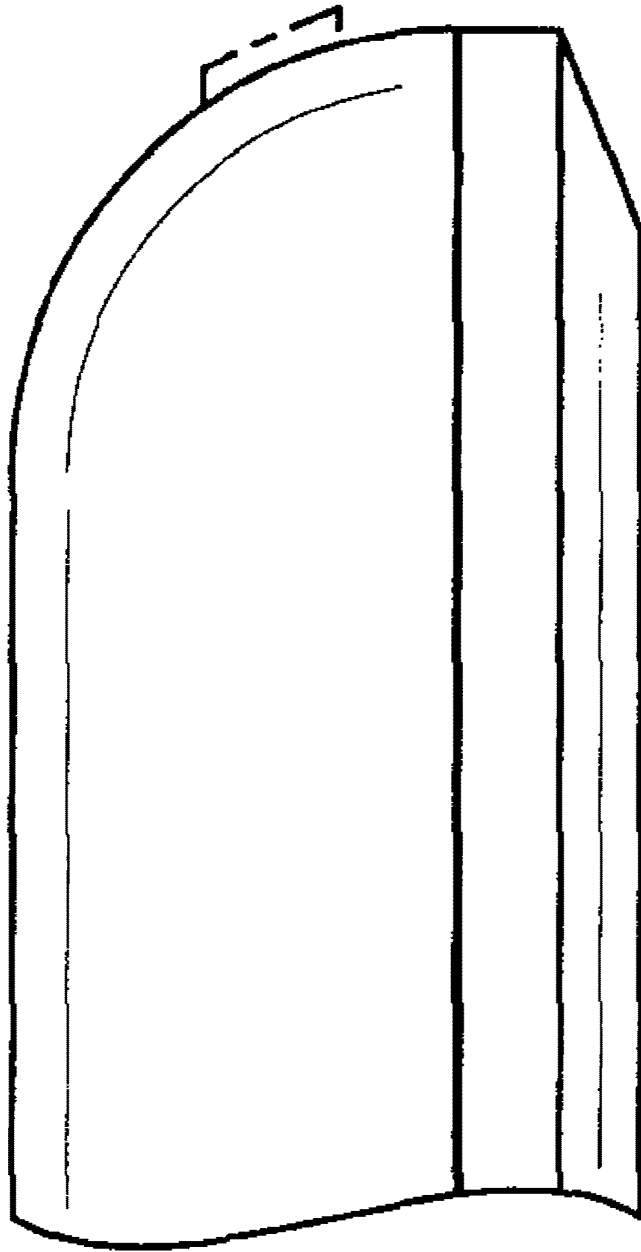
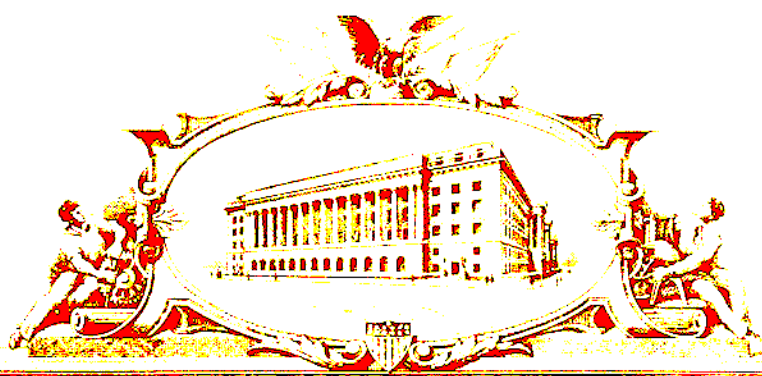


FIG. 9

Exhibit 7



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**U.S. PATENT: *D504,889*
ISSUE DATE: *May 10, 2005***

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**M. TARVER
Certifying Officer**



US00D504889S

(12) **United States Design Patent**
Andre et al.

(10) **Patent No.:** **US D504,889 S**
(45) **Date of Patent:** **** May 10, 2005**

(54) **ELECTRONIC DEVICE**

(75) **Inventors:** **Bartley K. Andre**, Menlo Park, CA (US); **Daniel J. Coster**, San Francisco, CA (US); **Daniele De Iullis**, San Francisco, CA (US); **Richard P. Howarth**, San Francisco, CA (US); **Jonathan P. Ive**, San Francisco, CA (US); **Steve Jobs**, Palo Alto, CA (US); **Shin Nishibori**, San Francisco, CA (US); **Duncan Robert Kerr**, San Francisco, CA (US); **Matthew Dean Rohrbach**, San Francisco, CA (US); **Douglas B. Satzger**, Menlo Park, CA (US); **Calvin Q. Seid**, Palo Alto, CA (US); **Christopher J. Stringer**, Portola Valley, CA (US); **Eugene Anthony Whang**, San Francisco, CA (US); **Rico Zörkendörfer**, San Francisco, CA (US)

(73) **Assignee:** **Apple Computer, Inc.**, Cupertino, CA (US)

(**) **Term:** **14 Years**

(21) **Appl. No.:** **29/201,636**

(22) **Filed:** **Mar. 17, 2004**

(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/341**

(58) **Field of Search** **D14/341-346, D14/374, 424; D19/26, 59, 60; 345/104, 156, 168, 173; 434/307 R, 308, 309, 317; 178/18.03; 349/12**

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"Tablet PC V1100", downloaded Aug. 27, 2004.

"ViewPad 1000", downloaded Aug. 27, 2004.

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Primary Examiner—Freda S. Nunn

(74) *Attorney, Agent, or Firm*—Beyer Weaver & Thomas, LLP

(57) **CLAIM**

We claim the ornamental design for an electronic device, substantially as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an electronic device in accordance with the present design;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is a left side view thereof;

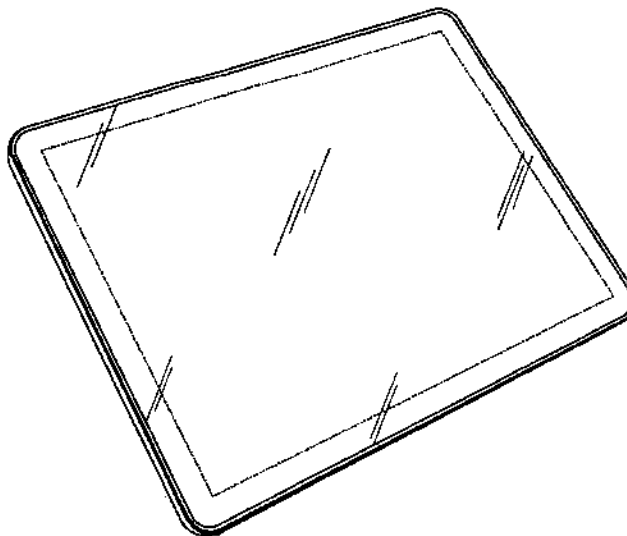
FIG. 6 is a right side view thereof;

FIG. 7 is an upper side view thereof;

FIG. 8 is a lower side view thereof; and,

FIG. 9 is an exemplary diagram of the use of the electronic device thereof the broken lines being shown for illustrative purposes only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



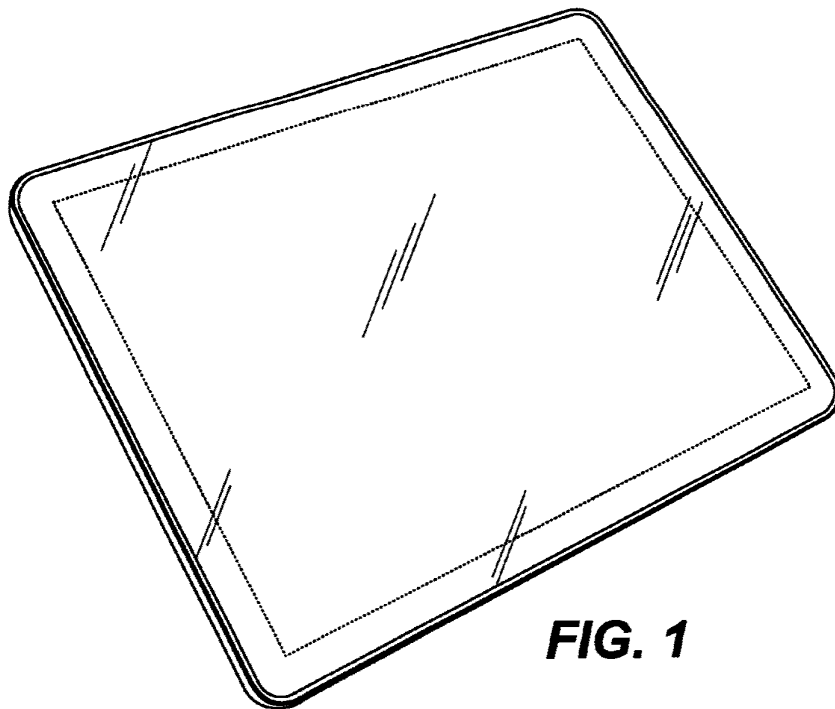


FIG. 1

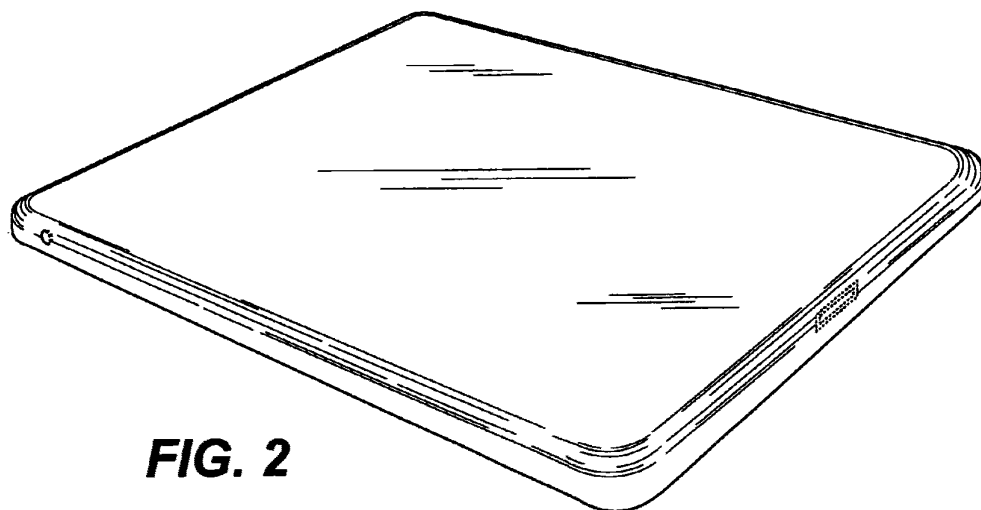


FIG. 2

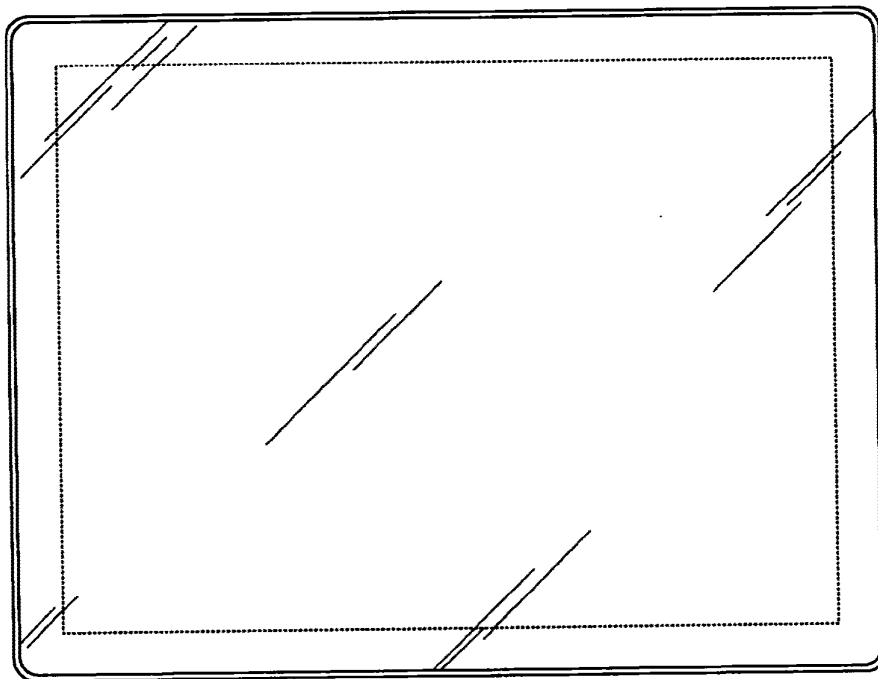


FIG. 3

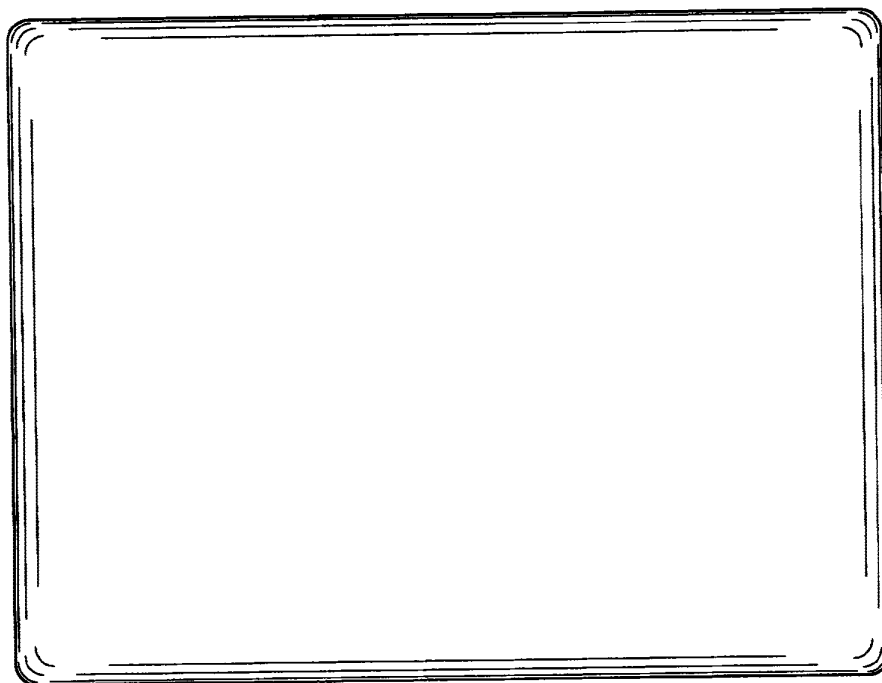


FIG. 4



FIG. 5

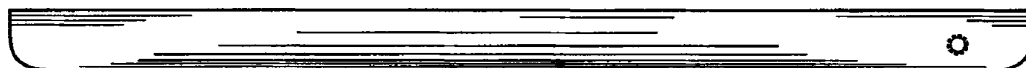


FIG. 6



FIG. 7

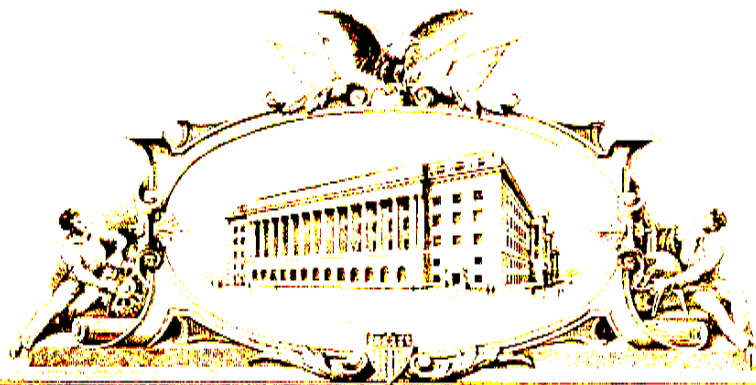


FIG. 8



FIG. 9

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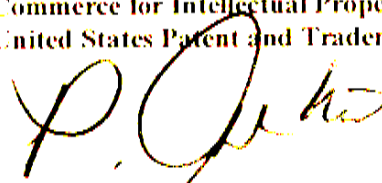
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ISSUE DATE: *November 23, 2010***

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P. SWAIN
Certifying Officer



US001D627790S

(12) **United States Design Patent**
Chaudhri

(10) **Patent No.:** **US D627,790 S**
(45) **Date of Patent:** **** Nov. 23, 2010**

(54) **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF**

(75) Inventor: **Imran Chaudhri**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/283,656**

(22) Filed: **Aug. 20, 2007**

Related U.S. Application Data

(63) Continuation of application No. 29/281,695, filed on Jun. 28, 2007, which is a continuation-in-part of application No. 29/281,507, filed on Jun. 25, 2007, now Pat. No. Des. 608,366, which is a continuation-in-part of application No. 29/281,460, filed on Jun. 23, 2007, now Pat. No. Des. 604,305.

(51) **LOC (9) CL.** **14-04**

(52) **U.S. CL.** **D14/486**

(58) **Field of Classification Search** D14/485-95; D18/24-33; D19/6, 52, 9, 10; D20/11; D21/324-33; 715/700-867, 973-77

See application file for complete search history.

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(Continued)

Primary Examiner - Melanie H Tung

(74) *Attorney, Agent, or Firm* - Sterne, Kessler, Goldstein & Fox PLLC

(57) **CLAIM**

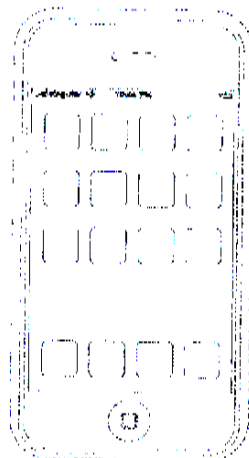
The ornamental design for a graphical user interface for a display screen or portion thereof, as shown and described.

DESCRIPTION

The FIGURE is a front view of a graphical user interface for a display screen or portion thereof showing my new design.

The broken lines of the display screen or portion thereof and other elements form no part of the claimed design.

1 Claim, 1 Drawing Sheet



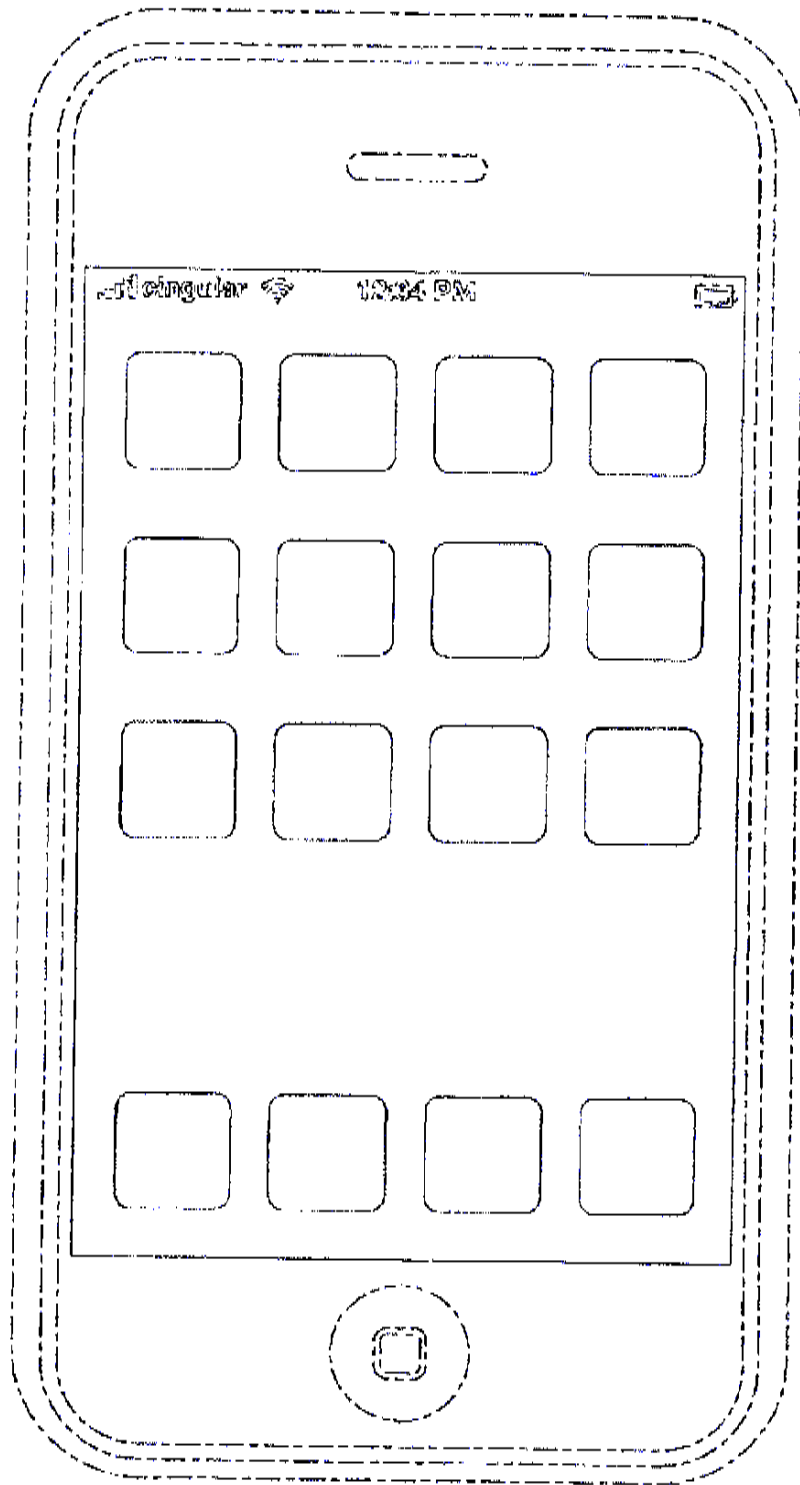
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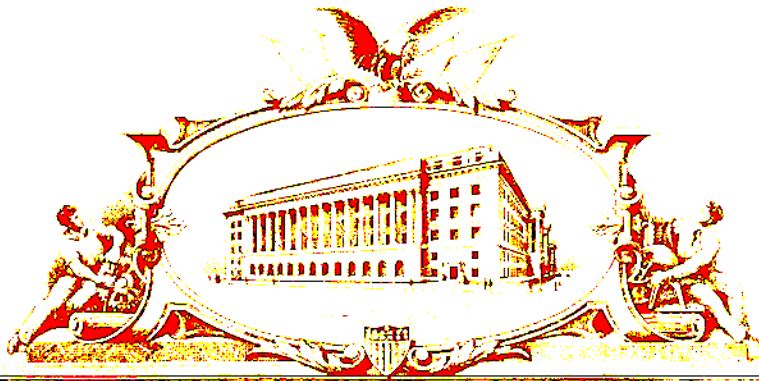
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FIGURE

Exhibit 9



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

July 19, 2011

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U.S. PATENT: *D604,305*

ISSUE DATE: *November 17, 2009*

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office



M. TARVER
Certifying Officer



US00D604305S

(12) **United States Design Patent**
Anzures et al.

(10) **Patent No.:** **US D604,305 S**

(45) **Date of Patent:** **** *Nov. 17, 2009**

(54) **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF**

(75) Inventors: **Freddy Anzures**, San Francisco, CA (US); **Imran Chaudhri**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/281,460**

(22) Filed: **Jun. 23, 2007**

(51) **LOC (9) CL.** **32-00**

(52) **U.S. CL.** **D14/486**

(58) **Field of Classification Search** **D14/485-95; D18/24-33; D19/6, 52; D20/11; D21/324-33; 715/700-867, 973-77**

See application file for complete search history.

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- D438,213 S 2/2001 Herget et al.
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(Continued)

Primary Examiner—Melanie H Tung
(74) *Attorney, Agent, or Firm*—Sterne, Kessler, Goldstein & Fox P.L.L.C.

(57) **CLAIM**

The ornamental design for a graphical user interface for a display screen or portion thereof, as shown and described.

DESCRIPTION

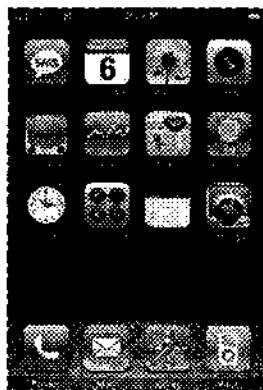
The patent file contains at least one drawing executed in color. Copies of this patent with a color drawing will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a front view of a graphical user interface for a display screen or portion thereof showing our new design; and,

FIG. 2 is a front view of a second embodiment thereof.

The broken line showing of a display screen in both views forms no part of the claimed design.

1 Claim, 2 Drawing Sheets
(1 of 2 Drawing Sheet(s) Filed in Color)



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- U.S. Appl. No. 29/333,867, Animated Image, Graphical User Interfaces and Icon for a Display Screen or Portion Thereof, filed Mar. 16, 2009.
- U.S. Appl. No. 29/335,282, Sepuveda et al., and Icon for a Display Screen or Portion Thereof, filed Apr. 13, 2009.
- "PDAs with a built-in wireless LAN, using the Nursing Support System", *Casio News Release*, <http://www.casio.co.jp/release/2003/nns.html>, dated Jan. 28, 2003.

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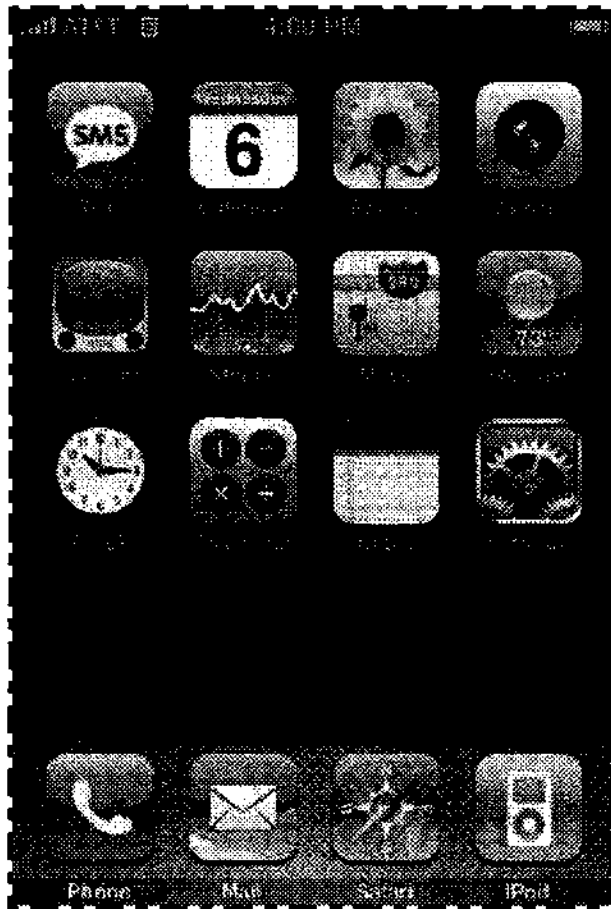


FIG. 1

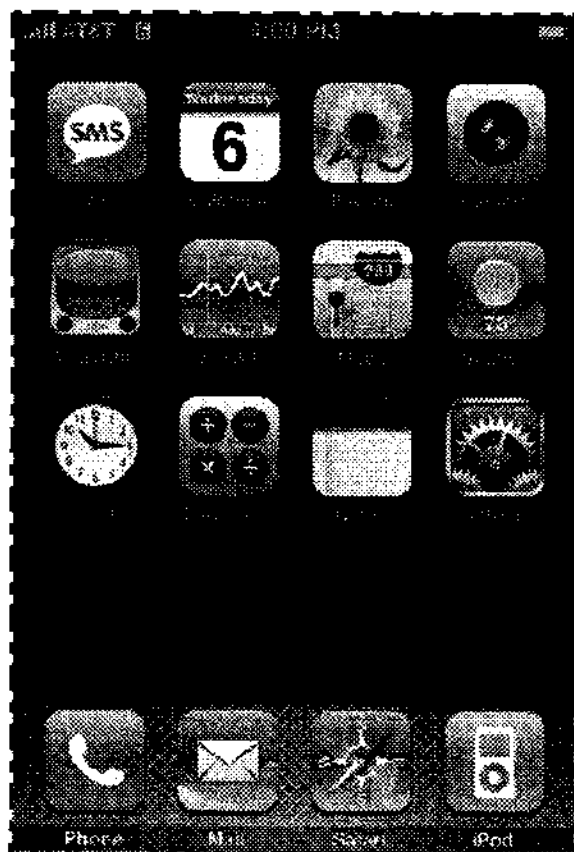
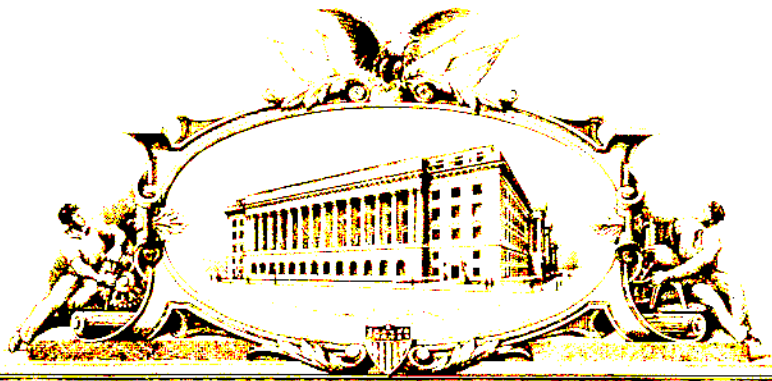


FIG. 2

Exhibit 10



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July 20, 2011

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM
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U.S. PATENT: *D617,334*

ISSUE DATE: *June 08, 2010*

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and Director of the United States Patent and Trademark Office



M. TARVER
Certifying Officer



US00D617334S

(12) **United States Design Patent**
Chaudhri

(10) **Patent No.:** **US D617,334 S**
(45) **Date of Patent:** **** Jun. 8, 2010**

(54) **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF**

Primary Examiner—Melanie H Tung
(74) *Attorney, Agent, or Firm—Sterne, Kessler, Goldstein & Fox PLLC*

(75) **Inventor:** **Imran Chaudhri**, San Francisco, CA (US)

(57) **CLAIM**

(73) **Assignee:** **Apple Inc.**, Cupertino, CA (US)

The ornamental design for a graphical user interface for a display screen or a portion thereof, as shown and described.

(**) **Term:** **14 Years**

(21) **Appl. No.:** **29/321,374**

(22) **Filed:** **Jul. 15, 2008**

(51) **LOC (9) Cl.** **14-04**

(52) **U.S. Cl.** **D14/486**

(58) **Field of Classification Search** D14/485-95;
D18/24-33; D19/6, 52, 9, 10; D20/11; D21/324-33;
715/700-867, 973-77

See application file for complete search history.

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(Continued)

DESCRIPTION

FIG. 1 is a front view of a graphical user interface for a display screen or portion thereof showing our new design;

FIG. 2 is a front view of a second embodiment thereof;

FIG. 3 is a front view of a third embodiment thereof;

FIG. 4 is a front view of a fourth embodiment thereof; and

FIG. 5 is a front view of a fifth embodiment thereof;

FIG. 6 is a front view of a sixth embodiment thereof;

FIG. 7 is a front view of a seventh embodiment thereof; and,

FIG. 8 is a front view of an eighth embodiment thereof.

The broken line showing of the display screen or portion thereof in all views is not part of the claimed design.

The AT&T trademark in the upper left corner of the Figure is the property of AT&T Intellectual Property II, L.P. The YouTube trademark on the left hand side of the Figures is the property of Google Inc. The iTunes trademark on the left hand side of the Figures is the property of Apple Inc. The App Store trademark on the bottom of the Figures is the property of Apple Inc. The Safari trademark on the bottom of the Figures is the property of Apple Inc. The iPod trademark on the bottom right corner of the Figures is the property of Apple Inc. Trademarks are the property of their respective owners.

1 Claim, 8 Drawing Sheets



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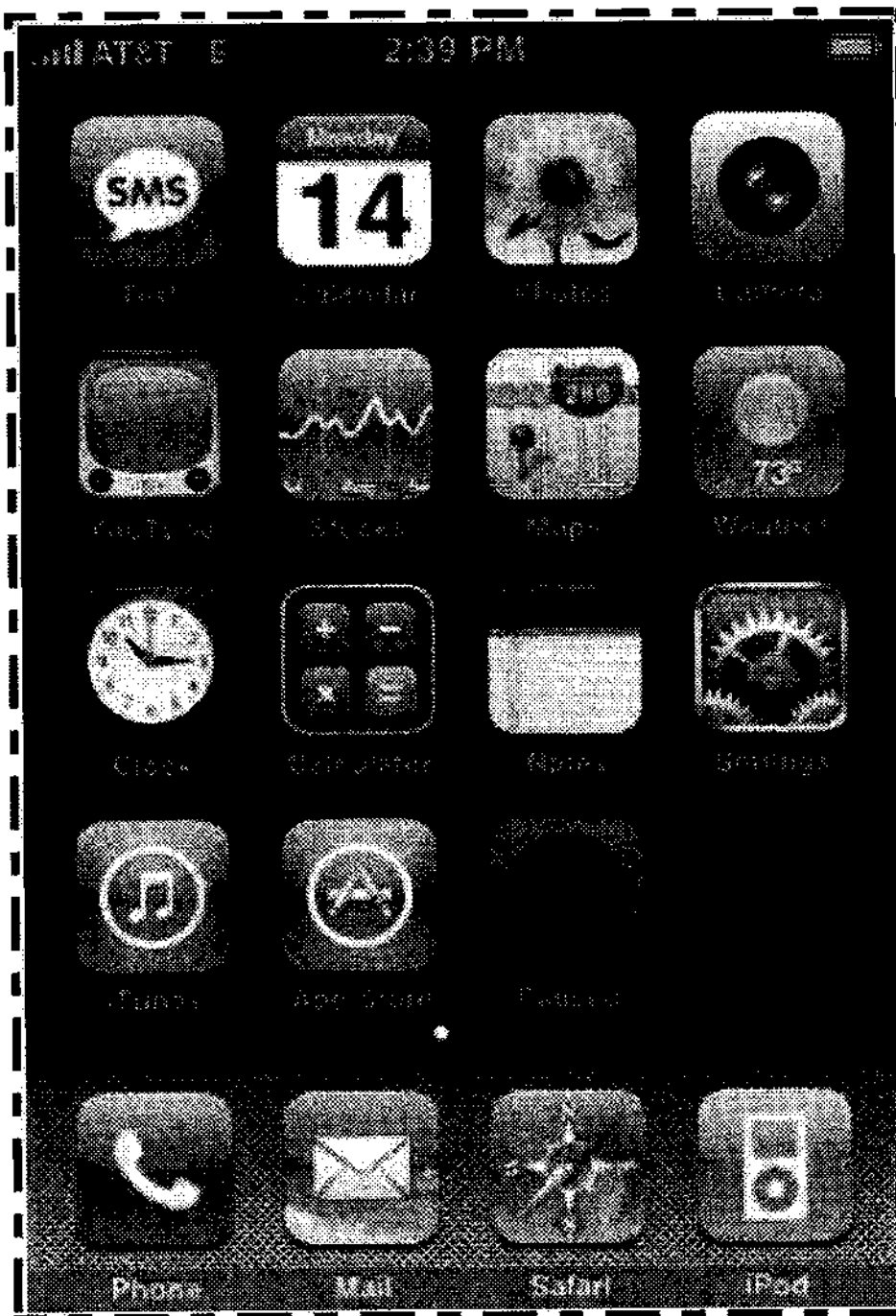


FIG. 1

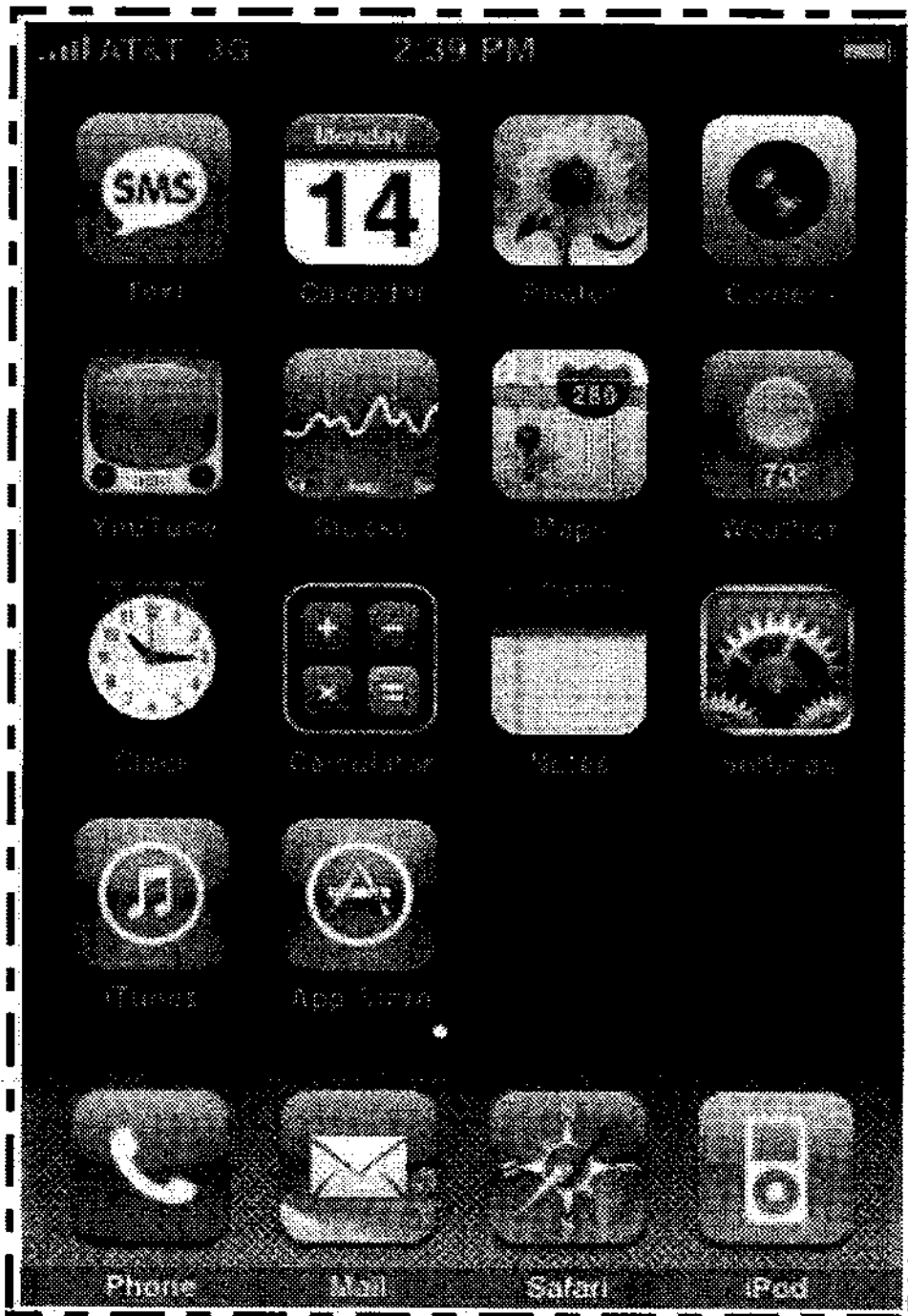


FIG. 2

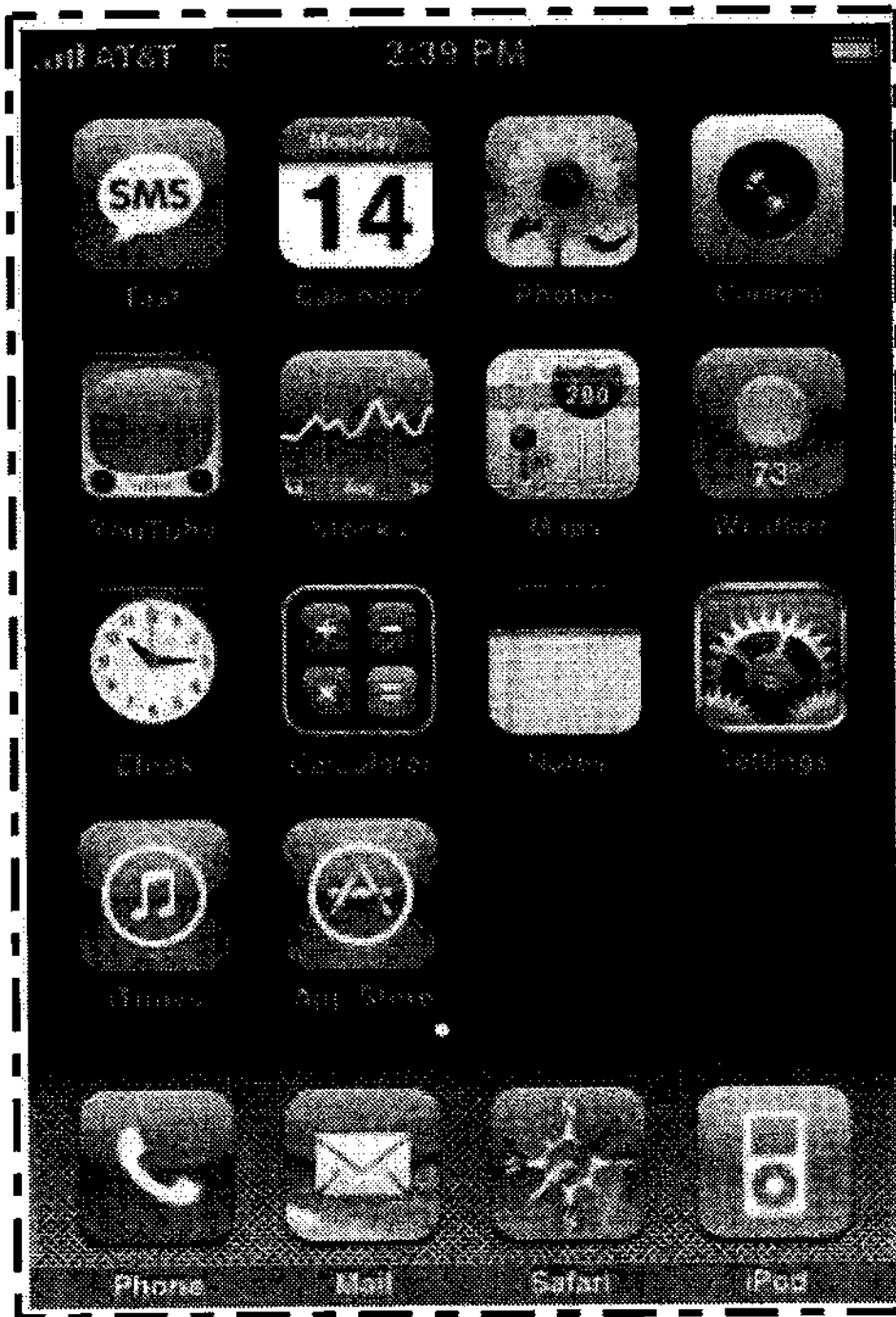


FIG. 3

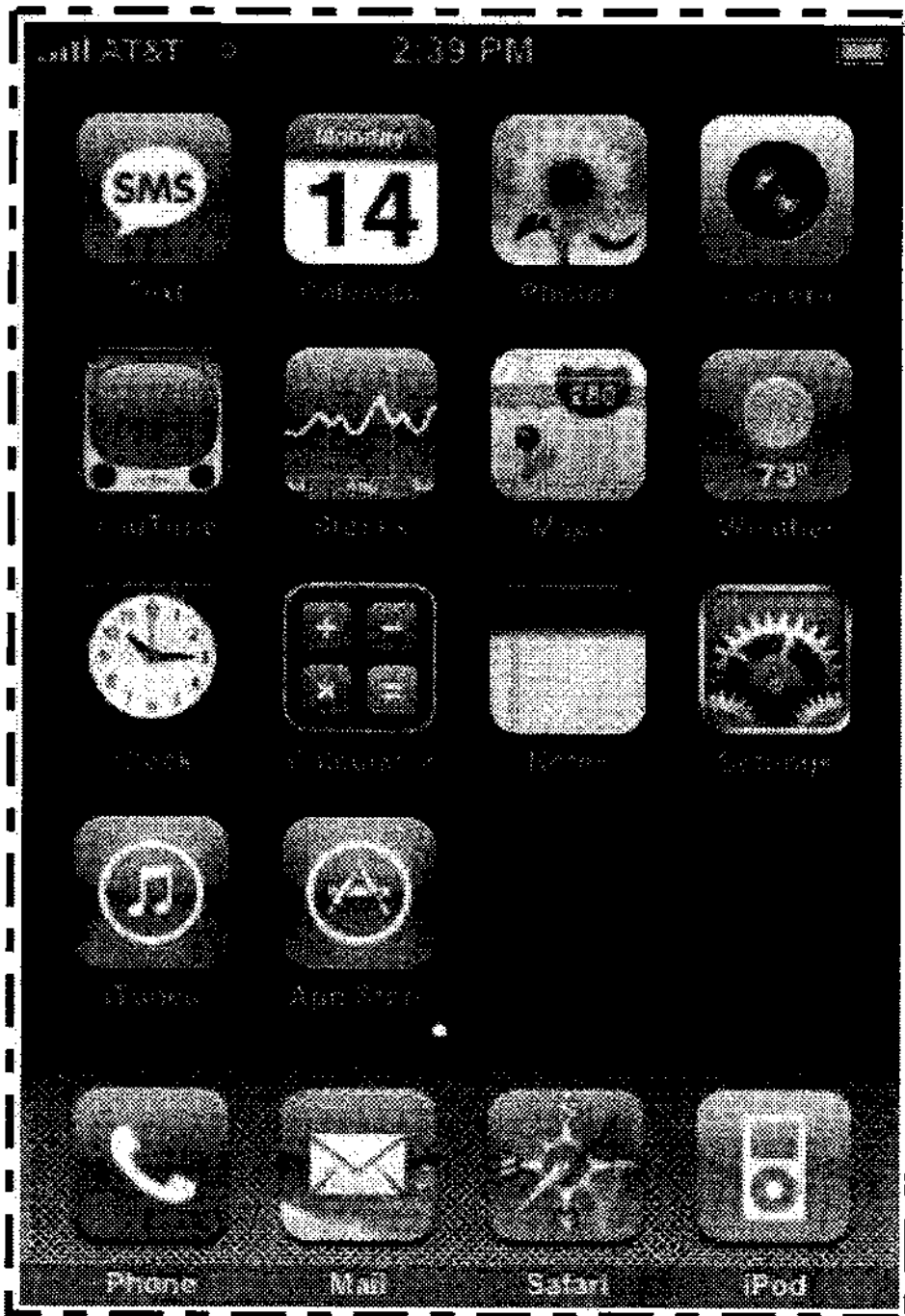


FIG. 4

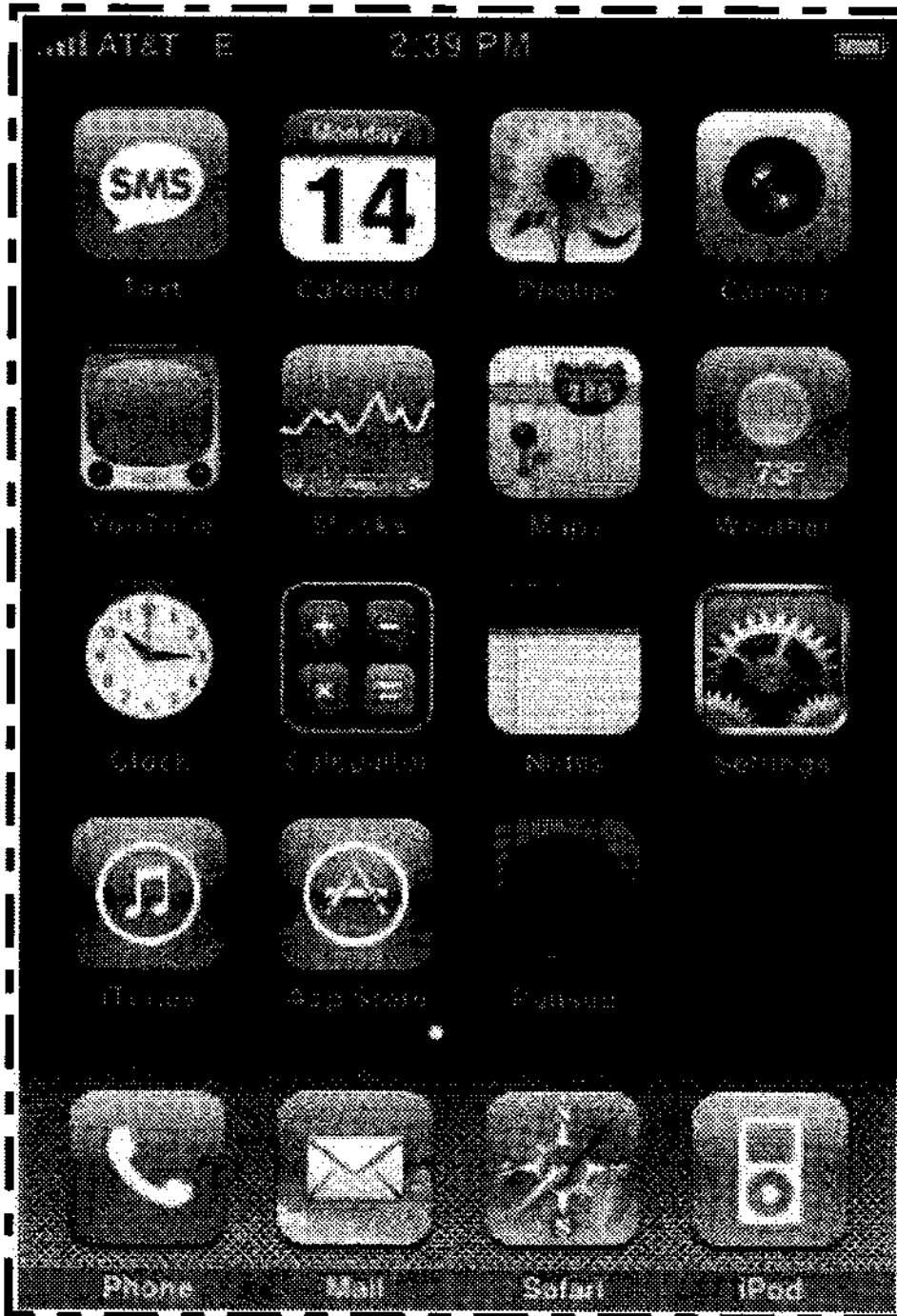


FIG. 5

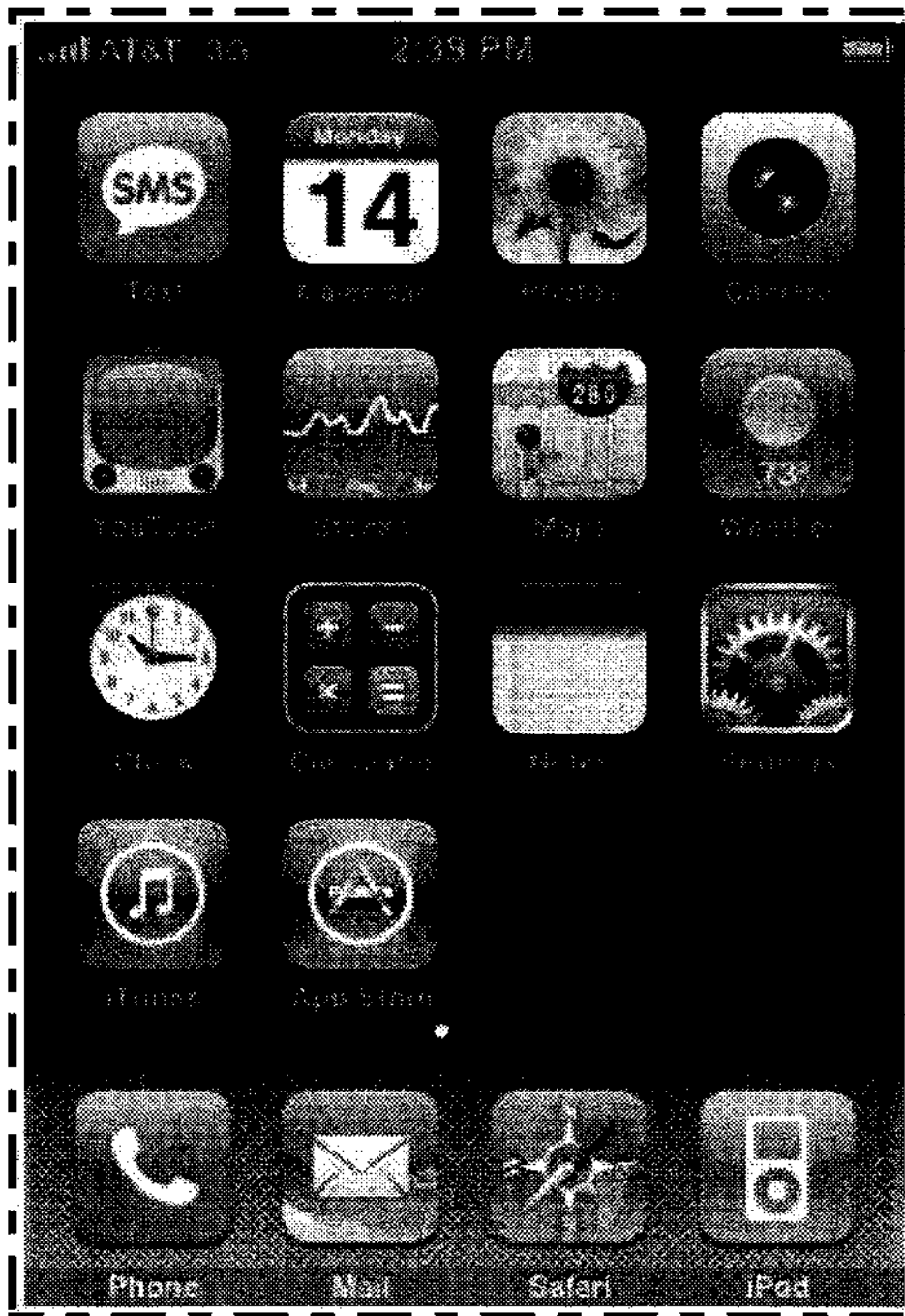


FIG. 6

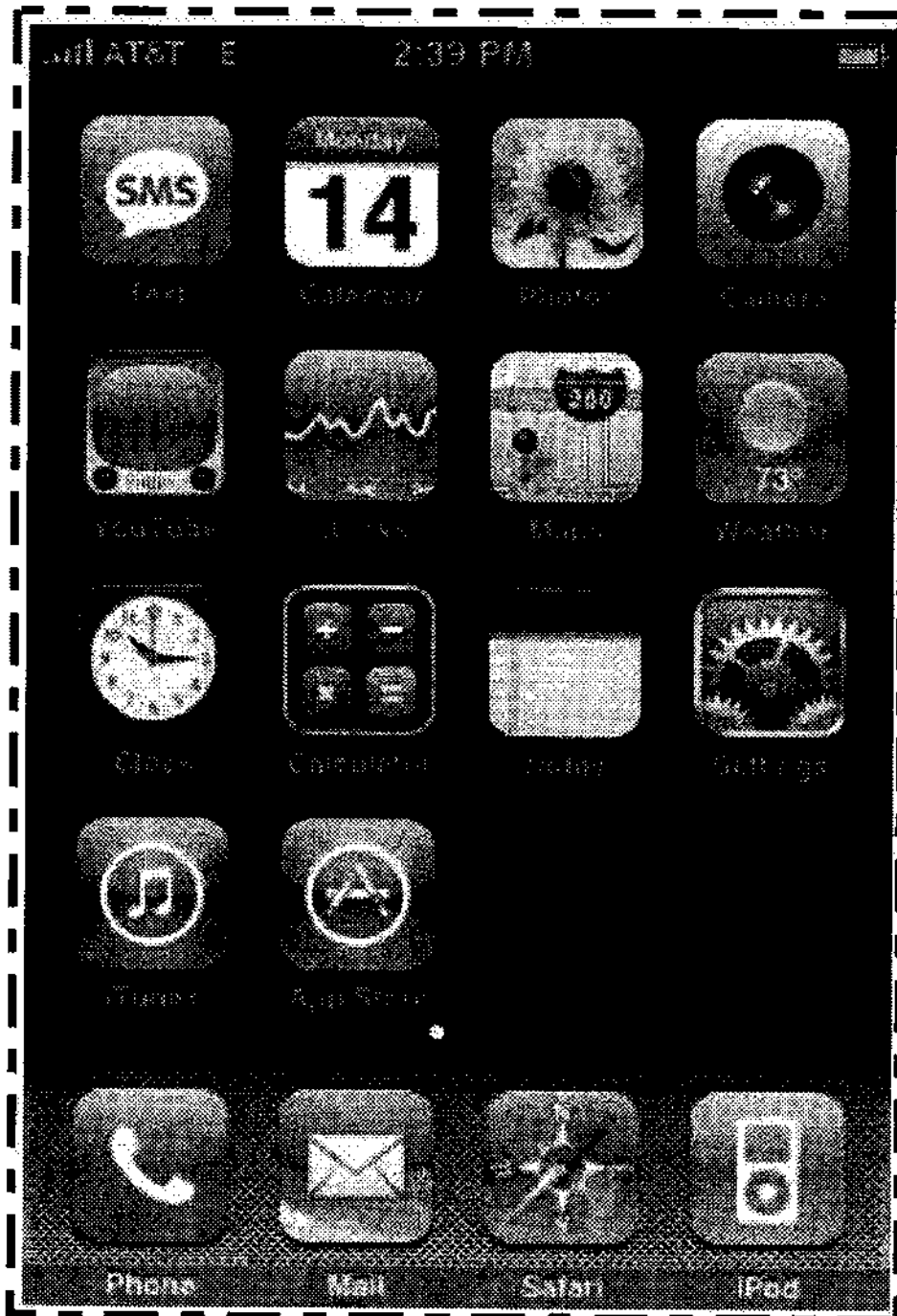


FIG. 7

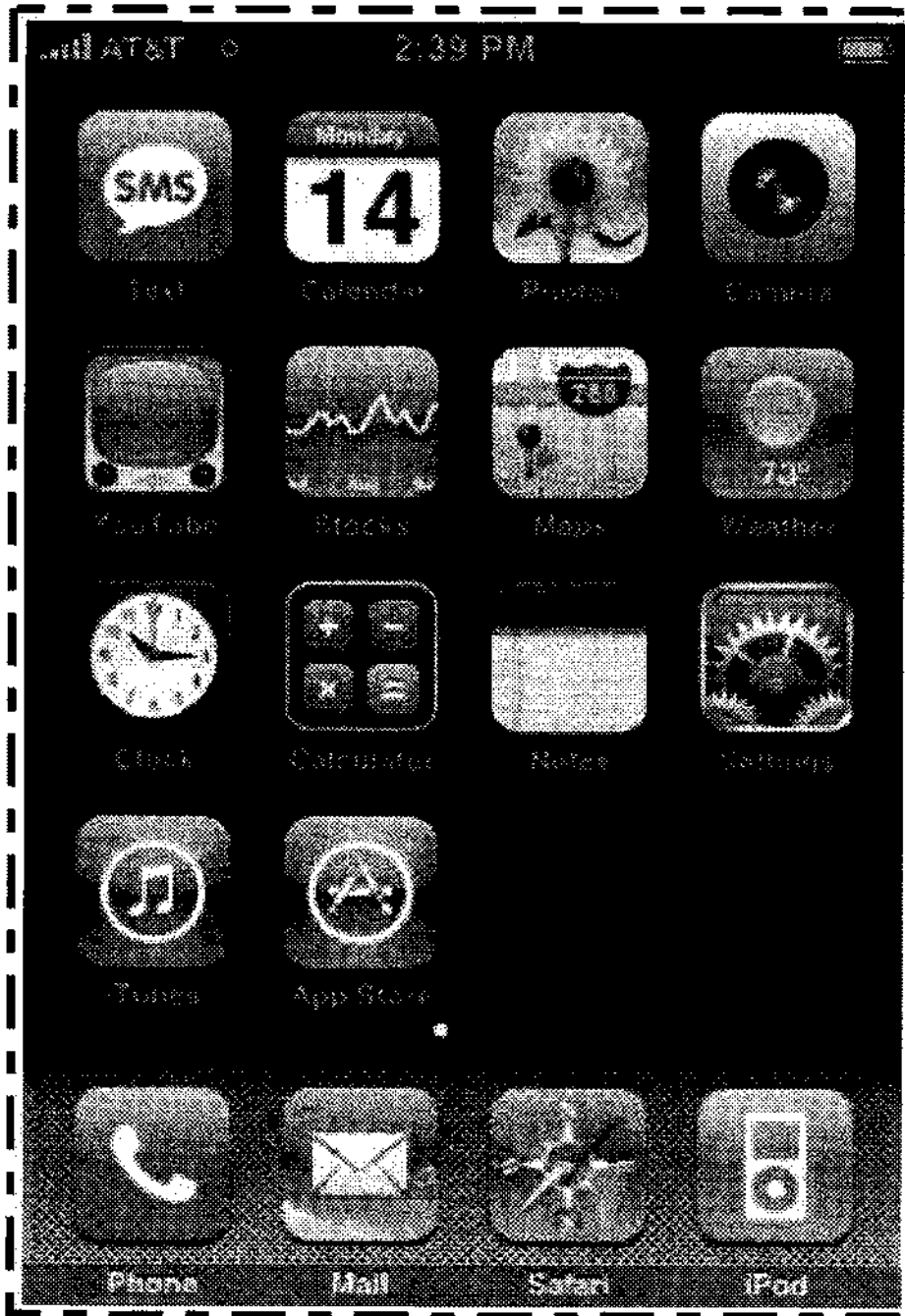


FIG. 8

Exhibit 11

7293463



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United States Patent and Trademark Office

May 02, 2011

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P. SWAIN
Certifying Officer



APLNDY0000182302

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

Reg. No. 3,470,983

United States Patent and Trademark Office

Registered July 22, 2008

**TRADEMARK
PRINCIPAL REGISTER**



APPLE INC. (CALIFORNIA CORPORATION)
1 INFINITE LOOP
CUPERTINO, CA 95014

FOR: HANDHELD MOBILE DIGITAL ELECTRONIC DEVICES COMPRISED OF A MOBILE PHONE, DIGITAL AUDIO AND VIDEO PLAYER, HANDHELD COMPUTER, PERSONAL DIGITAL ASSISTANT, ELECTRONIC PERSONAL ORGANIZER, POCKET COMPUTER FOR NOTE-TAKING, ELECTRONIC CALENDAR, CALCULATOR, AND CAMERA, AND CAPABLE OF PROVIDING ACCESS TO THE INTERNET AND SENDING AND RECEIVING ELECTRONIC MAIL, DIGITAL AUDIO, VIDEO, TEXT, IMAGES, GRAPHICS AND MULTIMEDIA FILES, IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

FIRST USE 6-29-2007; IN COMMERCE 6-29-2007.

NO CLAIM IS MADE TO THE EXCLUSIVE RIGHT TO USE "SMS", APART FROM THE MARK AS SHOWN.

THE COLOR(S) BLACK, BLUE, BROWN, BROWN-GRAY, GRAY-GREEN, GREEN, ORANGE, RED, SILVER, TAN, WHITE AND YELLOW IS/ARE CLAIMED AS A FEATURE OF THE MARK.

THE MARK CONSISTS OF THE CONFIGURATION OF A RECTANGULAR HANDHELD MOBILE DIGITAL ELECTRONIC DEVICE WITH ROUNDED SILVER EDGES, A BLACK FACE, AND AN ARRAY OF 16 SQUARE ICONS WITH ROUNDED EDGES. THE TOP 12 ICONS APPEAR ON A BLACK BACKGROUND, AND THE BOTTOM 4 APPEAR ON A SILVER BACKGROUND. THE FIRST ICON DEPICTS THE LETTERS "SMS" IN GREEN INSIDE A

WHITE SPEECH BUBBLE ON A GREEN BACKGROUND; THE SECOND ICON IS WHITE WITH A THIN RED STRIPE AT THE TOP; THE THIRD ICON DEPICTS A SUNFLOWER WITH YELLOW PETALS, A BROWN CENTER, AND A GREEN STEM IN FRONT OF A BLUE SKY; THE FOURTH ICON DEPICTS A CAMERA LENS WITH A BLACK BARREL AND BLUE GLASS ON A SILVER BACKGROUND; THE FIFTH ICON DEPICTS A TAN TELEVISION CONSOLE WITH BROWN KNOBS AND A GRAY-GREEN SCREEN; THE SIXTH ICON DEPICTS A WHITE GRAPH LINE ON A BLUE BACKGROUND; THE SEVENTH ICON DEPICTS A MAP WITH YELLOW AND ORANGE ROADS, A PIN WITH A RED HEAD, AND A RED-AND-BLUE ROAD SIGN WITH THE NUMERAL "280" IN WHITE; THE EIGHTH ICON DEPICTS AN ORANGE SUN ON A BLUE BACKGROUND, WITH THE TEMPERATURE IN WHITE; THE NINTH ICON DEPICTS A WHITE CLOCK WITH BLACK AND RED HANDS AND NUMERALS ON A BLACK BACKGROUND; THE TENTH ICON DEPICTS THREE BROWN-GRAY CIRCLES AND ONE ORANGE CIRCLE ON A BLACK BACKGROUND WITH A WHITE BORDER, WITH THE MATHEMATICAL SYMBOLS FOR ADDITION, SUBTRACTION, MULTIPLICATION, AND THE EQUAL SIGN DISPLAYED IN WHITE ON THE CIRCLES; THE ELEVENTH ICON DEPICTS A PORTION OF A YELLOW NOTEPAD WITH BLUE AND RED RULING, WITH BROWN BINDING AT THE TOP; THE TWELFTH ICON DEPICTS THREE SILVER GEARS OVER A THATCHED BLACK-AND-SILVER BACKGROUND; THE THIRTEENTH ICON DEPICTS A WHITE TELEPHONE RECEIVER AGAINST A GREEN BACKGROUND; THE FOURTEENTH ICON DEPICTS A WHITE ENVELOPE OVER A BLUE SKY

WITH WHITE CLOUDS; THE FIFTEENTH ICON
DEPICTS A WHITE COMPASS WITH A WHITE-
AND-RED NEEDLE OVER A BLUE MAP; THE
SIXTEENTH ICON DEPICTS THE DISTINCTIVE
CONFIGURATION OF APPLICANT'S MEDIA
PLAYER DEVICE IN WHITE OVER AN ORANGE
BACKGROUND.

SEC. 2(F).

SER. NO. 77-303,282, FILED 10-12-2007.

SKYE YOUNG, EXAMINING ATTORNEY

Exhibit 12

7293463



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

May 04, 2011

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SAID RECORDS SHOW TITLE TO BE IN: *Registrant*

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M. TARVER
Certifying Officer



APLNDG-Y0000182305

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

Reg. No. 3,457,218

United States Patent and Trademark Office

Registered July 1, 2008

TRADEMARK
PRINCIPAL REGISTER



APPLE INC. (CALIFORNIA CORPORATION)
1 INFINITE LOOP, MS: 3TM
CUPERTINO, CA 95014

FIRST USE 1-9-2007; IN COMMERCE 6-29-2007.

FOR: HANDHELD MOBILE DIGITAL ELECTRONIC DEVICES COMPRISED OF A MOBILE PHONE, DIGITAL AUDIO AND VIDEO PLAYER, HANDHELD COMPUTER, PERSONAL DIGITAL ASSISTANT, ELECTRONIC PERSONAL ORGANIZER, POCKET COMPUTER FOR NOTE-TAKING, ELECTRONIC CALENDAR, CALCULATOR, AND CAMERA, AND CAPABLE OF PROVIDING ACCESS TO THE INTERNET AND SENDING AND RECEIVING ELECTRONIC MAIL, DIGITAL AUDIO, VIDEO, TEXT, IMAGES, GRAPHICS AND MULTIMEDIA FILES, IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

THE MARK CONSISTS OF THE CONFIGURATION OF A RECTANGULAR HANDHELD MOBILE DIGITAL ELECTRONIC DEVICE WITH ROUNDED CORNERS. THE MATTER SHOWN IN BROKEN LINES IS NOT PART OF THE MARK.

SEC. 2(F).

SER. NO. 77-303,256, FILED 10-12-2007.

SKYE YOUNG, EXAMINING ATTORNEY

Exhibit 13

7293463



THE UNITED STATES OF AMERICA

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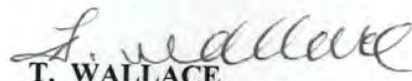
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

May 09, 2011

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T. WALLACE
Certifying Officer



APLND-0000182307

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

United States Patent and Trademark Office

Reg. No. 3,475,327

Registered July 29, 2008

TRADEMARK
PRINCIPAL REGISTER



APPLE, INC. (CALIFORNIA CORPORATION)
1 INFINITE LOOP
CUPERTINO, CA 95014

FOR: HANDHELD MOBILE DIGITAL ELECTRONIC DEVICES COMPRISED OF A MOBILE PHONE, DIGITAL AUDIO AND VIDEO PLAYER, HANDHELD COMPUTER, PERSONAL DIGITAL ASSISTANT, ELECTRONIC PERSONAL ORGANIZER, POCKET COMPUTER FOR NOTE-TAKING, ELECTRONIC CALENDAR, CALCULATOR, AND CAMERA, AND CAPABLE OF PROVIDING ACCESS TO THE INTERNET AND SENDING AND RECEIVING ELECTRONIC MAIL, DIGITAL AUDIO, VIDEO, TEXT, IMAGES, GRAPHICS AND MULTIMEDIA FILES, IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

FIRST USE 1-9-2007; IN COMMERCE 6-29-2007.

THE COLOR(S) GRAY, SILVER AND BLACK IS/ARE CLAIMED AS A FEATURE OF THE MARK.

THE MARK CONSISTS OF THE CONFIGURATION OF A HANDHELD MOBILE DIGITAL ELECTRONIC DEVICE. THE MATERIAL SHOWN IN DOTTED LINES, NAMELY, THE BUTTONS AND OPENINGS ON THE DEVICE SHOW THE POSITION OF THE MARK IN RELATION TO THE DEVICE AND ARE NOT CONSIDERED A PART OF THE MARK. THE COLOR GRAY APPEARS AS A RECTANGLE AT THE FRONT, CENTER OF THE DEVICE. THE COLOR BLACK APPEARS ON THE FRONT OF THE DEVICE ABOVE AND BELOW THE GRAY RECTANGLE AND ON THE CURVED CORNERS OF THE DEVICE. THE COLOR SILVER APPEARS AS THE OUTER BORDER AND SIDES OF THE DEVICE. THE COLOR WHITE IS SHOWN SOLELY TO IDENTIFY PLACEMENT OF THE MARK AND IS NOT CLAIMED AS A PART OF THE MARK.

SEC. 2(F).

SER. NO. 77-303,049, FILED 10-12-2007.

SKYE YOUNG, EXAMINING ATTORNEY

Exhibit 14

7293220



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United States Patent and Trademark Office

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W. MONTGOMERY
Certifying Officer



APLNDC-Y0000182288

United States of America

United States Patent and Trademark Office



Reg. No. 3,886,196

Registered Dec. 7, 2010

Int. Cl.: 9

TRADEMARK

PRINCIPAL REGISTER

APPLE INC. (CALIFORNIA CORPORATION)
1 INFINITE LOOP
CUPERTINO, CA 95014

FOR: TELEPHONY SOFTWARE, NAMELY, COMPUTER SOFTWARE FOR MAKING, MANAGING, AND RECEIVING PHONE CALLS, AND FOR REVIEWING, MANAGING, AND PLAYING ELECTRONIC VOICE MESSAGES, IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

FIRST USE 6-29-2007; IN COMMERCE 6-29-2007.

OWNER OF U.S. REG. NO. 3,470,983.

THE COLOR(S) GREEN, LIGHT GREEN, DARK GREEN AND WHITE IS/ARE CLAIMED AS A FEATURE OF THE MARK.

THE MARK CONSISTS OF A RECTANGLE WITH ROUNDED CORNERS DEPICTING A STYLIZED WHITE TELEPHONE RECEIVER AGAINST A STRIPED GREEN AND DARK GREEN BACKGROUND. A SHADE OF LIGHT GREEN COVERS THE UPPER HALF OF THE RECTANGLE DESIGN.

SER. NO. 85-019,804, FILED 4-21-2010.

ANDREW RHIM, EXAMINING ATTORNEY



David J. Kappas

Director of the United States Patent and Trademark Office

Exhibit 15

7293220



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W. MONTGOMERY
Certifying Officer



APLNDY0000182290

United States of America

United States Patent and Trademark Office



Reg. No. 3,889,642

Registered Dec. 14, 2010

Int. Cl.: 9

TRADEMARK

PRINCIPAL REGISTER

APPLE INC. (CALIFORNIA CORPORATION)
1 INFINITE LOOP
CUPERTINO, CA 95014

FOR: TEXT AND MULTIMEDIA MESSAGING SOFTWARE, NAMELY, SOFTWARE FOR PROCESSING IMAGES, GRAPHICS AND TEXT, IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

FIRST USE 6-29-2007; IN COMMERCE 6-29-2007.

OWNER OF U.S. REG. NO. 3,470,983.

THE COLOR(S) WHITE, GREEN, DARK GREEN AND LIGHT GREEN IS/ARE CLAIMED AS A FEATURE OF THE MARK.

THE MARK CONSISTS OF A RECTANGLE WITH ROUNDED CORNERS DEPICTING A STYLIZED SPEECH BUBBLE ON A DIAGONAL STRIPED BACKGROUND. THE COLOR WHITE APPEARS IN THE SPEECH BUBBLE DESIGN; THE COLORS GREEN AND DARK GREEN APPEAR IN THE DIAGONAL STRIPES IN THE BACKGROUND OF THE RECTANGLE DESIGN; AND THE COLOR LIGHT GREEN APPEARS IN THE UPPER HALF OF THE RECTANGLE DESIGN.

SER. NO. 85-018,959, FILED 4-21-2010.

ANDREW RHIM, EXAMINING ATTORNEY



David J. Kappas

Director of the United States Patent and Trademark Office

APLNDY-Y0000182291

Exhibit 16

7293220



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W. MONTGOMERY
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APLNDC-Y0000182292

United States of America

United States Patent and Trademark Office



Reg. No. 3,886,200

Registered Dec. 7, 2010

Int. Cl.: 9

TRADEMARK

PRINCIPAL REGISTER

APPLE INC. (CALIFORNIA CORPORATION)
1 INFINITE LOOP
CUPERTINO, CA 95014

FOR: COMPUTER SOFTWARE FOR ORGANIZING, STORING, SHARING, AND VIEWING IMAGES, SOLD AS A FEATURE OF COMPUTERS AND HANDHELD MOBILE DIGITAL ELECTRONIC DEVICES COMPRISED OF MOBILE PHONES, DIGITAL AUDIO AND VIDEO PLAYERS, HANDHELD COMPUTERS, PERSONAL DIGITAL ASSISTANTS, AND ELECTRONIC PERSONAL ORGANIZERS, IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

FIRST USE 6-29-2007; IN COMMERCE 6-29-2007.

OWNER OF U.S. REG. NO. 3,470,983.

THE COLOR(S) YELLOW, BLUE, GREEN, BROWN, BLACK, GRAY AND WHITE IS/ARE CLAIMED AS A FEATURE OF THE MARK.

THE MARK CONSISTS OF A GRAY, WHITE, AND BLUE RECTANGLE WITH ROUNDED CORNERS DEPICTING A STYLIZED FLOWER IN THE COLORS GREEN, YELLOW, BROWN, BLACK, WHITE AND GRAY.

SER. NO. 85-019,831, FILED 4-21-2010.

JAMES MACFARLANE, EXAMINING ATTORNEY



David J. Kybas

Director of the United States Patent and Trademark Office