Netflix, Inc. v. Blockbuster, Inc.

Doc. 85 Att. 13

EXHIBIT L1

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	Dase 3:06-cv-02361-WHA Document 28	Filed 07/26/2006 Page 1 of 6								
1	KEKER & VAN NEST, LLP JEFFREY R. CHANIN - #103649 DARALYN J. DURIE - #169825 710 Sansome Street									
3 4	To Sansome Street San Francisco, CA 94111-1704 Telephone: (415) 391-5400 Facsimile: (415) 397-7188									
5 6	Attorneys for Plaintiff NETFLIX, INC									
7	UNITED STAT	ES DISTRICT COURT								
8		TRICT OF CALIFORNIA								
9	NETFLIX, INC , a Delaware corporation,	Case No. C 06 2361 WHA								
10	Plaintiff,	FIRST AMENDED COMPLAINT FOR								
11	V.	PATENT INFRINGEMENT AND DEMAND FOR JURY TRIAL								
12	BLOCKBUSTER, INC., a Delaware	Complaint filed: April 4, 2006								
13	corporation, DOES 1-50, Defendant									
14	Detendant.									
15										
16	Plaintiff Netflix, Inc. (Netflix) for its	First Amended Complaint for patent infringement								
17	against Defendant Blockbuster, Inc. (Blockb	uster) alleges upon knowledge with respect to its								
18	own acts, and upon information and belief as	s to other matters, as follows:								
19	THE PARTIES									
20	Netflix is a Delaware corporation with its principal place of business in Los									
21	Gatos, California Netflix has rented out DVDs on a subscription basis through its website,									
22	www netflix com, since 1999									
23	Defendant Blockbuster is a Delaware corporation with its principal place of									
24	business in Dallas, Texas Blockbuster may be served with a Summons and this Complaint									
25	through its registered agent, Corporation Ser	rvice Company, 2711 Centerville Road, Wilmington,								
26	Delaware 19808 Blockbuster launched Blo	ckbuster Online, which it describes as its "U.S.								
27		endant Blockbuster has, at all times material hereto,								
28	been registered to do business and has conducted business in the State of California and this									
	FIRST AMENDED COMPLAINT FOR PATE	1 NT INFRINGEMENT AND DEMAND FOR JURY TRIAL								

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JURISDICTION AND VENUE

- This is an action arising under the laws of the United States, including 35 U.S.C. § 101 et seq. (patent laws) This Court has subject-matter jurisdiction over this action under 28 U.S.C. §§ 1331 and 1338(a)
- 4. This Court has personal jurisdiction over Blockbuster because Blockbuster regularly conducts business in this District and/or because Blockbuster has committed acts of patent infringement in this District
- 5. Venue is proper in this District under 28 U.S.C. §§ 1391(b) and (c) and/or 1400(b) because Blockbuster regularly conducts business in this District and/or because Blockbuster has committed acts of patent infringement in this District.

INTRADISTRICT ASSIGNMENT

This is an Intellectual Property Action subject to district—wide assignment under Local Rule 3-2(c)

FIRST CAUSE OF ACTION

(Infringement of U.S. Patent No. 7,024,381)

- 7. Netflix is the sole and exclusive owner of U.S. Patent No. 7,024,381 (the "'381 Patent" attached as Exhibit A), entitled "Approach for Renting Items to Customers" issued on April 4, 2006. Among other things, the Patent covers a method for subscription-based online DVD rental that allows subscribers to keep the DVDs they rent for as long as they wish without incurring any late fees, to obtain new DVDs upon return of those they have already watched without incurring additional charges, and to prioritize and reprioritize their own personal list—a dynamic queue—of DVDs to be rented
- 8. In violation of 35 U.S.C. § 271(a), Blockbuster has sold and/or offered for sale in the United States a service that infringes one or more claims of the '381 Patent, by copying Netflix's patented business method, including but not limited to copying Netflix's dynamic queue; copying Netflix's method of sending DVDs to subscribers based on ranked order of titles in their queue; and copying Netflix's method of allowing subscribers to update and reorder their

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1	queue among other acts of infringement.								
2	9. Blockbuster has also actively induced and/or contributed to others' infringement								
3	of the '381 Patent in violation of 35 U.S.C. §§ 271(b) and (c).								
4	Blockbuster has had actual or constructive knowledge of the '381 Patent, and								
5	Blockbuster's infringement of the '381 Patent has been and is willful and deliberate Netflix has								
6	suffered and will continue to suffer irreparable injury unless Blockbuster's infringement of the								
7	'381 Patent is enjoined by this Court								
8	SECOND CAUSE OF ACTION								
9	(Infringement of U.S. Patent No. 6,584,450)								
10	11 Netflix's incorporates paragraphs 1-10 above by reference.								
11	Netflix is the sole and exclusive owner of U.S. Patent No. 6,584,450 (the "'450								
12	Patent," attached as Exhibit B), entitled "Method and Apparatus for Renting Items," issued on								
13	June 24, 2003.								
14	In violation of 35 U.S.C. § 271(a), Blockbuster has sold and/or offered for sale in								
15	the United States a service that infringes one or more claims of the '450 Patent.								
16	14 Blockbuster has also actively induced and/or contributed to others' infringement								
17	of the '450 Patent in violation of 35 U S C. §§ 271(b) and (c).								
18	Blockbuster has had actual or constructive knowledge of the '450 Patent, and								
19	Blockbuster's infringement of the '450 Patent has been and is willful and deliberate. Netflix has	;							
20	suffered and will continue to suffer irreparable injury unless Blockbuster's infringement of the								
21	'450 Patent is enjoined by this Court.								
22	PRAYER FOR RELIEF								
23	Netflix respectfully requests the following relief:								
24	1. A judgment that Blockbuster has infringed the asserted patents in violation of 35								
25	U S.C. §§ 271 (a), (b) and (c);								
26	2. A judgment that Blockbuster's infringement of the '381 and '450 patents has been	n							
27	willful and deliberate;								
28	3 Preliminary and permanent injunction, pursuant to 35 U S.C. § 283, enjoining								
	D								

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	Pase 3:06-cv-02361-WHA Document 28 Filed 07/26/2006 Page 4 of 6								
,	Blockbuster, and all persons in active concert of participation with Blockbuster, from any further								
2	acts of infringement, inducement of infringement, or contributory infringement of the asserted								
3	patents;								
4	4. An order, pursuant to 35 U.S.C. § 284, awarding Netflix damages adequate to								
5	compensate Netflix for Blockbuster's infringement of the asserted patents, in an amount to be								
6	determined at trial, but in no event less than a reasonable royalty;								
7	5. An order, pursuant to 35 U.S.C. § 284, and based on Blockbuster's willful and								
8	deliberate infringement of the '381 and '450 patents, trebling all damages awarded to Netflix;								
9	6. An order, pursuant to 35 U.S.C. § 284, awarding Netflix interest on the damages								
10	and its costs incurred in this action;								
11	7 An order, pursuant to 35 U.S.C. § 285, finding that this is an "exceptional" case								
12	and awarding to Netflix its reasonable attorneys' fees, expenses and costs incurred in this action;								
13	and								
14	8 All such other relief that the Court deems just and proper								
15									
16									
17	Dated: July 26, 2006 KEKER & VAN NEST, LLP								
18									
19	By: /s/ Jeffrey R. Chanin								
20	IEFFREY R. CHANIN Attorneys for Plaintiff								
21	NETFLÍX, INC.								
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	FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT AND DEMAND FOR JURY TRIAL								
	Case No. C 06 2361 WHA								

Page 5 of 6 base 3:06-cv-02361-WHA Document 28 Filed 07/26/2006 DEMAND FOR JURY TRIAL 1 Under Rule 38(b) of the Federal Rules of Civil Procedure and Local Rule 3-6 of the 2 United States District Court for the Northern District of California, Plaintiff hereby demands a 3 trial by jury of all issues properly triable by jury. 4 5 KEKER & VAN NEST, LLP Dated: July 26, 2006 6 7 8 /s/ Jeffrey R. Chanin JEFFREY R CHANIN 9 Attorneys for Plaintiff NETFLIX, INC 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT AND DEMAND FOR JURY TRIAL

Page 6 of 6 tase 3:06-cv-02361-WHA Document 28 Filed 07/26/2006 CERTIFICATION OF INTERESTED ENTITIES OR PERSONS Pursuant to Civil L.R. 3-16, the undersigned certifies that the following listed persons, 2 associations of persons, firms, partnerships, corporations (including parent corporations) or other 3 entities (i) have a financial interest in the subject matter in controversy or in a party to the 4 proceeding, or (ii) have a non-financial interest in that subject matter or in a party that could be 5 substantially affected by the outcome of this proceeding: 6 7 Netflix, Inc Blockbuster, Inc. 8 9 KEKER & VAN NEST, LLP 10 Dated: July 26, 2006 12 /s/ Jeffrey R. Chanin JEFFREY R CHANIN 13 Attorneys for Plaintiff NETFLIX, INC. 14 15 16 17 18 19 20 21 22 23 24 25 26 27

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EXHIBIT A



(12) United States Patent Hastings et al.

(10) Patent No.: US 7,024,381 B1 (45) Date of Patent: Apr. 4, 2006

(54)	APPROACH	FOR	RENTING	ITEMS	TO
•	CUSTOMER				

- (75) Inventors: W. Reed Hastings, Santa Cruz, CA
 (US); Marc B. Randolph, Santa Cruz,
 CA (US); Neil Duncan Hunt, Mountain
 View, CA (US)
- (73) Assignee: Netflix, Inc., Los Guios, CA (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U S C 154(b) by 89 days
- (21) Appl No: 10/438,727
- (22) Filed: May 14, 2003

Related U.S. Application Data

(63) Continuation of application No 09/561,041, filed on Apr. 28, 2000, now Pat. No 6,584,450.

(51)	Int. Cl.	
	G06F 15/16	(2006.01)
	G06F 17/60	(2006.01)
	H04N 7/173	(2006.01)

- (52) U.S. Cl. 705/26; 381/77; 709/206; 725/60; 725/104

See application file for complete search history

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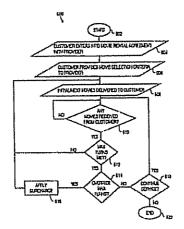
Continued)

Primary Examiner—Androw Joseph Rudy (74) Altorney, Agent. or Firm—Hickman Palermo Truong & Becker, LLP

57) ABSTRACT

According to a computer-implemented approach for renting items to customers, customers specify what items to rent using item selection criteria separate from deciding when to receive the specified items. According to the approach, customers provide item selection criteria to a provider provides the items indicated by the item selection criteria to customer over a delivery channel. The provider may be either centralized or distributed depending upon the requirements of a particular application. A "Max Out" approach allows up to a specified number of items to be rented simultaneously to customers. A "Max Turns" approach allows up to a specified number of item exchanges to occur during a specified period of time. The "Max Out" and "Max Turns" approaches may be used together or separately with a variety of subscription methodologies.

51 Claims, 7 Drawing Sheets



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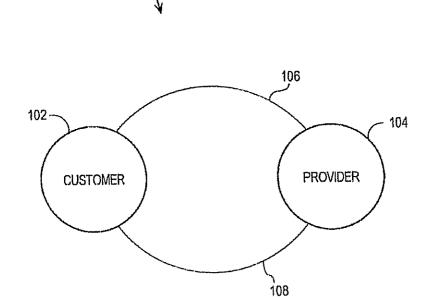
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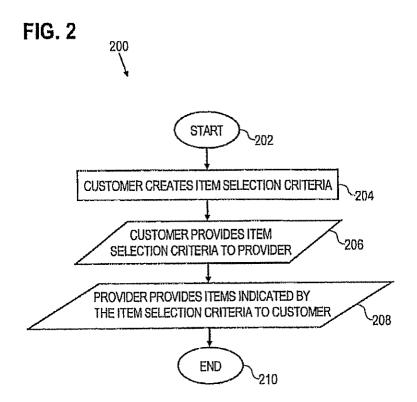
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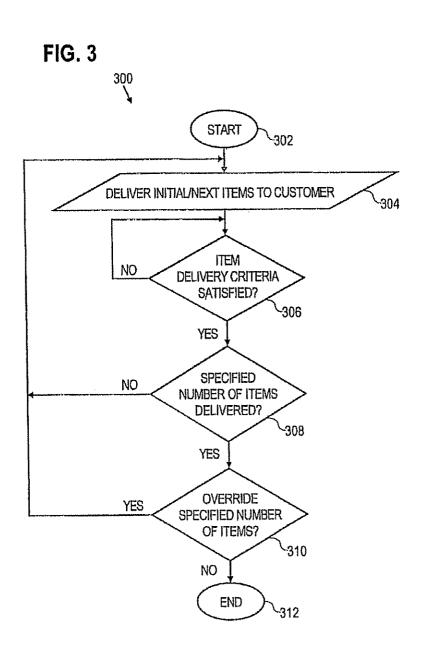
FIG. 1



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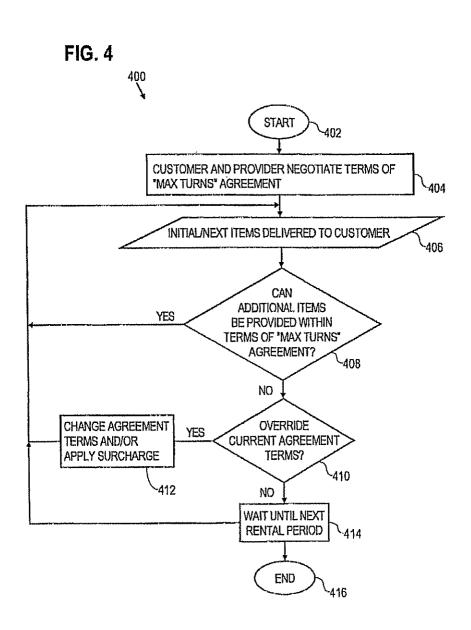


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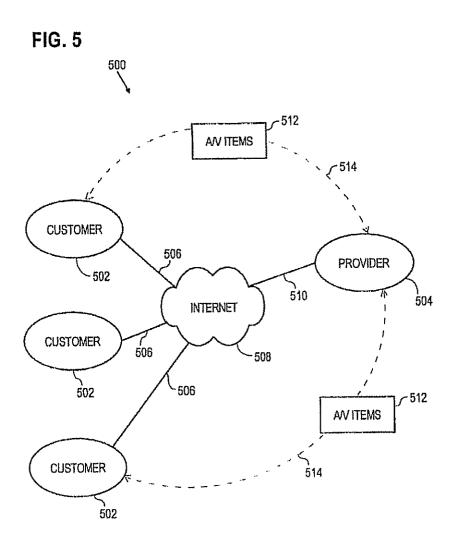


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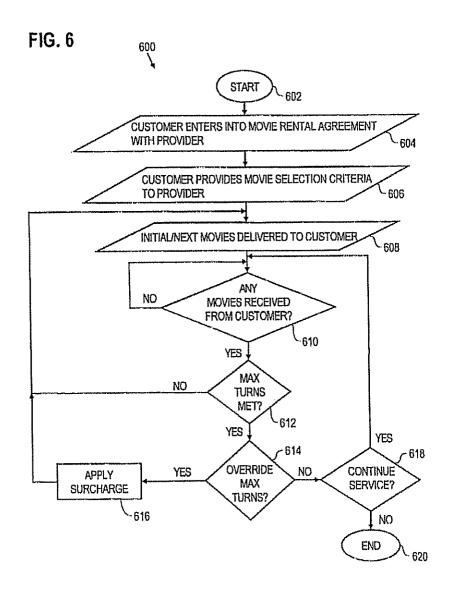


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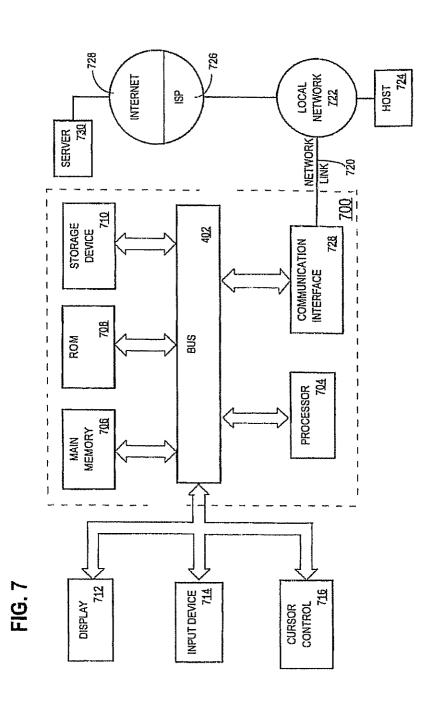


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APPROACH FOR RENTING ITEMS TO CUSTOMERS

RELATED APPLICATION AND PRIORITY INFORMATION

This application is a continuation of and claims benefit of U.S. Non Provisional application entitled "Method and Apparatus for Renting Items", Scr. No. 09/561,041, filed Apr 28, 2000 now U.S. Put No. 6,584,450 The entire 10 contents of this prior application are hereby incorporated by reference in its entirety for all purposes

FIELD OF THE INVENTION

The present invention relates to inventory rental, and more specifically, to an approach for renting movies to

BACKGROUND OF THE INVENTION

Conventional inventory rental models are typically based upon renting items for fixed rental periods and charging late fees for keeping rented items beyond a specified return date These types of inventory models suffer from several signifi- 25 cant limitations First, conventional rental models require customers to make the decision of what items to rent at substantially the same time as the decision of when to rent the items. An example that illustrates this limitation is a video rental business. Customers go to a video rental store. 30 and select particular movies to rent at that time. The customers take the movies home and must return them by a particular due date or be charged a late fee. In this situation, actually renting them The customers may have a particular 35 for renting items to customers according to various embodimovie in mind, but there is no guarantee that the video rental store has the particular movie in stock. Moreover, due dates are inconvenient for customers, particularly for "new release" movies that are generally due back the next day

Given the current demand for inventory rental and the limitations in the prior approaches, an approach for renting items to customers that does not suffer from limitations associated with conventional inventory rental models is highly desimble In particular, an approach for renting inventory items to customers that allows separation of customers' decisions of what items to rent from when to rent the items is highly desirable

There is a further need for an approach for renting items to customers on a continuous basis that avoids the use of fixed due dotes or rental "windows" appurtenant to conventional rental madels

There is yet a further need for an approach for renting movies, games and music to customers that is more convenient and flexible to customers than conventional approaches

BRIEF DESCRIPTION OF THE DRAWINGS

Embodiments of the invention are illustrated by way of 60 exemple, and not by way of limitation, in the figures of the accompanying drawings and in which like reference numerals refer to similar elements and in which:

FIG 1 is a diagram depicting an approach for rentingitems to customers according to an embodiment

FIG 2 is a flow diagram depicting on approach for renting items to customers according to an embodiment

FIG. 3 is a flow diagram depicting a "Max Out" approach for renting items to customers according to an embodiment FIG 4 is a flow diagram depicting a "Max Turns" approach for renting items to customers according to an embodiment

FIG 5 is a diagram depicting an approach for renting audio/video items to customers over the Internet according to an embodiment.

FIG 6 is a flow diagram illustrating an approach for renting audio/video items to customers over the internet using both "Max Out" and "Max Turns" according to an embodiment; and

FIG 7 is a block diagram of a computer system upon which embodiments of the invention may be implemented

DETAILED DESCRIPTION OF THE INVENTION

In the following description, for the purposes of explanation, specific details are set forth in order to provide a thorough understanding of the invention. However, it will be apparent that the invention may be practiced without these specific details In other instances, well-known structures and devices are depicted in block dingram form in order to avoid unnecessarily obscuring the invention

Various aspects and features of example embodiments of the invention are described in more detail hereinafter in the following sections: (1) functional overview; (2) item selection criteria; (3) item delivery; (4) "Max Out"; (5) "Max Turns"; (6) inventory management; and (7) implementation mechanisms.

1 Functional Overview

FIG. 1 is a block diagram 100 that illustrates an approach ments described herein. As used herein, the term "items" refers to any commercial goods that can be rented to customers Examples of items include movies, music and games stored on a non-volatile memory such as a tape, other magnetic medium, optical medium, read-only memory or the like, and the invention is not limited to any particular type of item. In general, the decision of what items to rent is separated from the decision of when to rent the items Customers may specify what items to rent using one or more item selection criteria separate from deciding when to receive the specified items. Furthermore, customers are not constrained by conventional rental "windows" and instead can have continuous, scrialized rental of items

According to one embodiment, a customer 102 provides one or more item selection criteria to a provider 104 over a link 106 Link 106 may be any medium for transferring data between customer 102 and provider 104 and the invention is not limited to any particular medium. Examples of link 106 include, without limitation, a network such as a LAN, WAN 55 or the Internet, a telecommunications link, a wire or optical link or a wireless connection

The item selection criteria indicate items that customer 102 desires to rent from provider 104. In response to receiving the item selection criteria from customer 102, provider 104 provides the items indicated by the item selection criteria to customer 102 over a delivery channel 108. Delivery channel 108 may be implemented by any mechanism or medium that provides for the transfer of items from provider 104 to customer 102 and the invention is not limited to any particular type of delivery channel Exemples of delivery channel 108 include, without limitation, mail delivery, courier delivery or delivery using a delivery agent

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Provider 104 may be centralized or distributed depending upon the requirements of a particular application

According to an embodiment, a "Max Out" approach allows up to a specified number of items to be rented simultaneously to customer 102 by provider 104. According to another embodiment, a "Max Turns" approach allows up to a specified number of item exchanges to occur during a specified period of time The "Max Out" and "Max Turns" approaches may be used together or separately with a variety of subscription methodologies

The approach just described for renting items to customers is now described with reference to a flow diagram 200 of FIG 2 After starting in step 202, in step 204, customer 102 creates item selection criteria in step 206, customer 102 provides the item selection criteria to provider 104 In step 208, in response to provider 104 receiving the item selection criteria from customer 102, provider 104 provides one or criteria from customer 102, provider 104 provides one or more items indicated by the item selection criteria to customer 102. The process is complete in step 210

2 Item Selection Criteria

The one or more item selection criteria provided by customer 102 to provider 104 indicate the particular items that customer 102 desires to reat from provider 104 Thus, the item selection criteria define a customer-specific order queue that is fulfilled by provider 104 According to one embodiment, the item selection criteria specify attributes of items to be provided by provider 104 to customer 102 Item selection criteria may specify any type of item attributes and the invention is not limited to particular item attributes and the invention is not limited to particular item attributes. Examples of item attributes include, without limitation, identifier attributes, type attributes and cost attributes ltem selection criteria may be changed at any time to reflect changes in items that customers desire to rent from a provider

3 Item Delivery

4 "Max Out"

According to one embodiment, items are delivered by provider 104 to customer 102 over delivery channel 108 based upon item delivery criteria. More specifically, the 40 delivery of items from provider 104 to customer 102 is triggered by item delivery criteria being satisfied. The Item delivery criteria may include a wide range of criteria and the invention is not limited to any particular item delivery criteria. Examples of item delivery criteria include, without 45 limitation, customer request/notification, customer notification that an item is being returned, customer return of an item, the occurrence of a specified date, the clapsing of a specified period of time or a customer payment

The item delivery criteria may be specified by customer 50 102 to provider 104 or negotiated by customer 102 and provider 184 as part of a subscription service. For example, a particular subscription service may include item delivery criteria that specifies that a particular number of items are to be delivered monthly As another example, item delivery criteria may specify that an initial set of items is to be delivered by provider 104 to customer 102 upon initiation of a subscription service and that additional items are to be delivered to customer 102 upon return of items to provider 104 Item delivery criteria may be applied uniformly to all items to be delivered to a customer, or may be item specific For example, item delivery criteria may specify a particular date, i.e., the third Wednesday of every month, for all item deliveries. Alternatively, separate item delivery dates may be assigned to each item

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According to one embodiment, a "Max Out" approach is used to manage the number of items that may be simultaneously rented to customers. According to the "Max Out" approach, up to a specified number of items may be rented simultaneously to a customer Thus, the "Max Out" approach establishes the size of an inventory of items that may be maintained by customers. The specified number of items may be specific to each customer or may be common to one or more customers. In the present example, if the specified number of items is three, then up to three items may be rented simultaneously by provider 104 to customer 102 If the specified number of items are currently rented to customer 102 and the specified item delivery criteric triggers the delivery of one or more additional items, then those items are not delivered until one or more items are returned by customer 102 to provider 104

According to one embodiment, in situations where the specified number of items are currently rented to customer 102 and the specified item delivery criteria triggers the delivery of one or more additional items, then the one or more additional items are delivered to customer 102 and customer 102 and a surcharge is applied customer 102. The specified number of items may then be increased thereafter to reflect the additional items delivered to customer 102 and increase the size of the inventory maintained by customer 102. Alternatively, the specified number of items may remain the same and number of items maintained by customer 102 returned to the prior lovel after items are returned to provider 104 by customer 102. When used in conjunction with the "Max Turns" approach described hereinafter, the specified number of items may be unlimited

The "Max Out" approach for managing the number of items that may be simultaneously rented to customers is now described with reference to a flow diagram 300 of FIG 3. After starting in step 302, in step 304, one or more initial items are delivered to customer 102 to establish the inventory maintained by customer 102. Note that an initial delivery of items is not required and according to one embodiment, the inventory of customer 102 is incrementally established over time.

In step 306, a determination is made whether the item delivery criteria have been satisfied. If not, then the determination continues to be made until the item delivery criteria are satisfied. As described previously herein, the delivery criteria may include customer notification generally, customer notification that an item is being returned, the actual return of an item, the occurrence of a specific date, or that a specified amount of time has clapsed

Once the item delivery criteria are satisfied, then in step 308, a determination is made whether the specified number of items have been delivered If not, then control returns to step 304 and one or more additional items are delivered by provider 104 to customer 102. If however, in step 308, the specified number of items have been delivered, then in step 310, a determination is made whether the specified number of items, i.e., the "Max Out" limit, is to be overridden As previously described, the specified number of items may be overridden by increasing the specified number of items may be overridden by increasing the specified number of items, i.e., the "Max Out" limit, to allow additional items to be delivered to customer 102 and charging a fee to customer 102. Alternatively, the specified number of items is not changed and a surcharge applied to customer 102. This process continues for the duration of the subscription and is then complete in step 312.

5 "Max Turns"

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According to one embodiment, a "Max Turns" approach is used to rent items to customers According to the "Max Turns" approach, up to a specified number of item exchanges may be performed during a specified period of time For example, referring to FIG 1, suppose that provider 5 104 agrees to rent items to customer 102 with a "Max Turns" limit of three items per month This menns that customer 102 may make up to three item exchanges per month This approach may be implemented independent of the number of items that a customer may have rented at any given time 10 under the "Max Out" approach. The approach is also independent of the particular item delivery criteria used

According to one embodiment, the "Max Turns" approach is implemented in combination with the "Max Out" approach to rent items to customers in this situation, up to a specified number of total items are simultaneously rented to customer 102 and up to a specified number of item exchanges may be made during a specified period of time Thus, using the "Max Out" and the "Max Turns" approaches together essentially establishes a personal item inventory for customer 102 based upon the "Max Out" limit that may be periodically refreshed based upon the "Max Turns" limit selected.

In some situations, customer 102 may wish to exchange more than the specified number of items during a specified period According to one embodiment, in this situation, provider 104 agrees to rent additional items above the specified number to customer 102 and to charge customer 102 for the additional items. For example, suppose that provider 104 agrees to rent items to customer 102 with up to three item turns (exchanges) per month 1f, in a particular month, customer 102 requires two additional turns, then the two additional items are provided to customer 102 and a surcharge is applied to customer 102 for the additional two items.

In other situations, customer 102 may not use all of its allotted turns during a specified period. According to one embodiment, customers lose unused turns during a subscription period. For example, if customer 102 has a "Max Turns" limit of four item exchanges per month and only makes two 40 item exchanges in a particular month, then the two unused exchanges are lost and cannot be used. At the start of the next month, customer 102 would be entitled to four new item exchanges.

According to another embodiment, customers are allowed 45 to carry over unused turns to subsequent subscription periods. For example, if customer 102 has a "Max Turns" limit of four item exchanges per month and only makes two item exchanges in a particular month, then the two unused exchanges are lost and cannot be used. At the start of the 50 next month, customer 102 would be entitled to six new item exchanges, two from the prior month and four for the current month.

The "Max Turns" approach for renting items to customers is now described with reference to a flow diagram 400 of 55 FIG 4 After starting in step 402, in step 404, customer 102 and provider 104 agree upon the terms of the "Max Turns" agreement Specifically, customer 102 and provider 104 agree at least upon the maximum number of turns that are allowed in a specified period of time.

In step 406, in response to one or more item delivery criterin being satisfied, provider 104 provides one or more items to customer 102 over delivery channel 108. Any type of item delivery criterin may be used with the "Max Turns" approach and the invention is not limited to any particular elivery criterin For example, the initial one or more items may be delivered to customer 102 in response to a subscrip-

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tion payment made by customer 102 to provider 104, the initiation of a specified subscription period, or by request of customer 102 for the initial rental items. The number of initial one or more items must not exceed the terms of the "Max Turns" agreement

In step 408, in response to one or more delivery criteria being satisfied, a determination is made whether additional items can be provided to customer 102 within the terms of the "Max Turns" agreement. For example, if the number of items rented to customer in the current subscription period is less than the agreed-upon "Max Turns," then additional items can be rented to customer 102 within the terms of the "Max Turns" agreement. In this situation, this determination may be made in response to customer 102 returning one or more items to provider 104, or by customer 102 requesting additional items.

If, in step 408, a determination is made that additional items can be rented to customer 102 within the terms of the "Max Turns" agreement, then control returns to step 406 where one or more additional items are rented to customer 102. If however, in step 408, a determination is made that additional items cannot be rented to customer 102 within the terms of the "Max Turns" agreement, then in step 410, a determination is made whether to override the current agreement terms If so, then in step 412, the agreement terms are changed to allow for a larger number of terms and customer 102 is charged accordingly, or the terms are left unchanged and a surcharge is applied for the additional items to be delivered. Control then returns to step 406, where one or more additional items are delivered to customer 102

If in step 410, a determination is made that the current agreement is not to be overridden, then in step 414, no items are delivered to customer 102 until the next subscription period For example, the request for additional items may be received at the end of a subscription period and instead of renting the additional items immediately, they are instead delivered during the subsequent subscription period. Control then returns to step 406 where one or more additional items are rented to customer or the process is complete in step 416

The approach for renting items described herein is now described in the context of renting to customers audio/video (A/V) items, such as movies, games and music, stored on various medin PIG 5 is a diagram 500 that depicts a set of customers 502 that desire to A/V items from a provider 504 Customers 502 communicate with provider 504 over links 506, the global packet-switched network referred to as the "Internet," and a link 510

Links 506 and 510 may be any medium for transferring data between customers 502 and the Internet 508 and between the Internet 508 and provider 504, respectively, and the Invention is not limited to any particular medium. In the present example, links 506 and 510 may be connections provided by one or more Internet Service Providers (ISPs) and customers 502 are configured with generic Internet web browsers. Links 506 and 510 may be secure or unsecured depending upon the requirements of a particular application.

In accordance with an embodiment, customers 502 enter into a rental agreement with provider 504 to rent audio/video (A/V) items 512 from provider 504 according to the "Max Out" and/or "Max Turns" approaches described herein The invention is not limited to any particular approach for entering into the rental agreement For example, customers 502 and provider 504 may enter into a rental agreement by mail, telephone or over the Internet, by customers 502 logging into a web site associated with provider 504.

Customers 502 create and provide item selection criteria to provider 504 over links 506 and 510 and the Internet 508

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The invention is not limited to any particular approach for specifying and providing item selection criteria to provider 504 For example, according to one embodiment, customers 502 provide item selection criteria to provider 504 in one or more data files. According to another embodiment, customers 502 log onto a web site of provider 504 and use a graphical user interfaced (GUI) to specify attributes of the movies and music that customers desire to rent from provider 504.

that describe, at least in part, movies, games or music that customers 502 desire to real For movies, example attributes include, without limitation, title, category, director name, actor name and year of release For games, example attributes include, without limitation, title and category. For 15 music, example attributes include, without limitation, title, category, anist/group name and year of release Customers 502 may identify specific movies or music by the item selection criteria, or may provide various attributes and allow provider 504 to automatically select particular movies 20 and music that satisfy the attributes specified. For example, customers 502 may specify item selection criteria that include horror movies released in 1999 and let provider 504 automatically select horror movies that were release in 1999 As another example, customers 502 may specify item selec- 25 tion criteria that include adventure movies starring Harrison Ford. Customers 502 may also specify an order or priority for the specified item selection criteria. For example, customers 502 may specify specific movie titles and the order in which they want to receive them As another example, 30 customers 502 may specify that they want to receive a particular number of movies of different types

Once customers 502 and provider 504 have entered into a rental agreement and customers 502 have provided item selection criteria to provider 504, then AV items 512 are 33 reated to customers 502 over delivery channels 514 in accordance with the terms of the rental agreement. Specifically, according to the "Max Out" approach described herein, an initial set of AV items 512, such as movies, games and music, are delivered to customers 502 over 40 delivery channels 514 according to the terms of the rental agreement. Subsequent AV items 512 are delivered whenever the specified item delivery criteria are satisfied For example, additional AV items 512 may be delivered upon the return of one or more AV items 512 to provider, a 45 request from customers 502, the arrival of a particular date, e.g., a specifie day of the month, or the expiration of a specified period of time, a.g., fifteen days

specified period of time, e.g., fifteen days
In accordance with the "Max Out" approach described herein, once the maximum number of A/V items 512 have 50 been rented to a particular customer 502, then no additional A/V items 512 are rented until one or more rented A/V items 512 are returned to provider 504, or unless a surcharge is applied to the particular customer 502 Alternatively, the rental agreement between the particular customer 502 and 55 provider 504 may be modified to increase the maximum number of A/V items 512 that may be rented simultaneously to the particular customer 502

The rental agreement between customers 502 and provider 504 may also specify a maximum number of turns in 60 combination with the "Max Turns" approach In this situation, a maximum number of turns restricts how quickly customers 502 may refresh their A/V item 512 inventories For example, suppose that a particular customer 502 agrees with provider 504 to rent up to four movies with a maximum 65 four turns per month. Under this agreement, the particular customer 502 may maintain a personal inventory of up to

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four movies and rent four new movies per month. Thus, the particular customer 502 can completely "replace" his personal inventory once per month. If the particular customer 502 agreed to a maximum of up to eight turns per month, then the particular customer 502 would be able to completely replace his personal inventory twice per month.

philcal user interfaced (GUI) to specify attributes of the ovies and music that customers desire to rent from product 504.

The item selection attributes may include any attributes at describe, at least in part, movies, games or music that istomers 502 desire to rent For movies, example attributes stomers 502 desire to rent For movies, example attributes clude, without limitation, title, category, director name,

FIG 6 is a flow diagram that illustrates on approach for renting A/V items 512, e.g., movies, to customers over a communications network such as the internet using both "Max Out" and "Max Turns" according to an embodiment Referring also to FIG 5, after starting in step 602, in step 604, a customer 502 enters into a rental agreement with provider 504. In the present example, customer 502 uses a generic web browser to access an Internet web site associated with provider 504 and enter into a rental agreement that specifies that customer 502 may maintain a personal inventory of four movies ("Max Out" of four) and receive up to four new movies per month ("Max Turns" of four) Furthermore, the rental agreement specifies that new movies will be delivered upon return of a rented movie from customer 502. i.e., the delivery criteria is a return of a movie by the customer.

In step 606, customer 502 creates and provides movie selection criteria to provider 504 that indicates movies that customer 502 desires to rent For example, the movie selection criteria may specify particular movie titles that customer 502 desires to rent. The movie selection criteria may also specify an order or priority in which customer 502 wishes to rent the movies. Instead of identifying particular movie titles, the movie selection criteria may specify movie preferences for customer 502, e.g., types of movies, directors, actors, or any other movie preferences or attributes. In this situation, provider 504 automatically selects particular titles that satisfy the movie selection criteria. For example, the movie selection criteria may specify a preference for action movies starring a particular actor, with a preference for "new release" movies. Provider 504 attempt to provide movies to customer 502 that best satisfy the preferences indicated by the movie selection criteria

In step 608, one or more initial movies 512 are delivered to customer 502 over delivery channel 514. The one or more initial movies 512 may be delivered to customer 502 via mail, courier, delivery agent or any other suitable menns negotiated between customer 502 and provider and the invention is not limited to any particular type of delivery mechanism. For purposes of explanation only, is presumed in the present example that movies are mailed between customer 502 and provider 504.

The one or more initial movies 512 establish the personal movie inventory of customer 502 Customer 502 may choose to receive any number of movies up to the "Max Out" limit of four movies Typically, customer 502 will choose to initially receive four movies in the initial delivery.

Once the one or more initial movies 512 have been mailed to customer 502, then in step 610, a determination is made whether any movies 512 have been returned by customer 502 to trigger another movie delivery in the present example, the delivery of additional movies is triggered by the receipt, e.g., via mail, of one or more movies from customer 502 in the situation where customer 502 elects to

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not receive the maximum number of movies 512 in the initial delivery, then the delivery of additional movies 512 may also be triggered by a request from customer 502 for additional movies 512 For example, customer 502 may notify provider 504 via telephone, email or by accessing the 5 web site associated with provider 504

If, in step 610, a determination is made that one or more movies 512 were received from customer 502, then in step 612, a determination is made whether the maximum number of turns ("Max Turns") limit has been reached for the current cycle. In the present example, a determination is made whether four or more movies have been mailed in the current month. If not, then control returns to step 608, where one or more additional movies 512 are mailed to customer 502 via delivery channel 514 up to the "Max Out" limit of four

If, in step 612, a determination is made that the "Max Turns" limit has been met for the current cycle, i.e., in the present example, four movies 512 have been maited to customer 502 in the current month, then in step 614 a determination is made whether to override the current "Max Turns" limit If so, then in step 616, a surcharge is applied to customer 502 and control returns to step 608 where the additional movies 514 are mailed to customer 502 If not, then in step 618, a determination is made whether to continue the subscription service. If so, then no additional movies are mailed to customer 502 during the current cycle, e.g., the current month, and the control returns to step 610 If, in step 618, a determination is made that service is not to be continued, then the process is complete in step 620.

In some situations, customer 502 may desire to increase or decrease the size of customer's 502 personal movie inventory by changing the current "Mox Out" limit According to one embodiment, customer 502 notifies provider 504, e.g., by telephone, mail, email or by accessing the web site associated with provider 504, that customer 502 wishes to change the "Max Out" limit The movie rental agreement between customer 502 and provider 504 is then modified to reflect the change of the "Max Out" limit in the situation where the "Max Out" limit is increased, then additional 40 movies 512 may be immediately mailed to customer 502

6 Inventory Management

The approach described berein for renting items to customers provides superior inventory management to prior approaches Specifically, the use of item selection criteria provides for efficient inventory management by allowing the greatest number of items to be rented at any given time. Moreover, the greatest number of customers are provided with their most preferred items for example, customers may specify priorities for the items indicated by the item selection criteria Thus, if a particular customer's first choice is not available, or already rented, then the item having the next highest priority can be rented to the particular customer According to one embodiment, customers may indicate 55 items that are not yet available for rent. Then, the items are delivered to customers when they become available

For example, referring again to PIG 5, suppose that a particular customer 502 desires to rent an as-yet-unreleased movie entitled "ABC" The particular customer 502 indicates this movie to provider 504 by the item selection criteria Since the movie ABC is not yet available, it cannot be delivered to the particular customer 502. However, when the movie ABC does become available, it can be shipped immediately to the particular customer 502, as well as other 65 customers 502 who may have also requested the movie This allows provider 504 to maximize the number of items rented

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while ensuring that customers 502 are able to rent the highest priority items that they requested

According to another embodiment, as yet unknown items may also be rented by specifying attributes of the unknown items. For example, the particular customer 502 may request to reat the next new movie of a particular director, for which the exact name is unknown to the particular customer. As another example, the particular customer 502 may request to rent the next album of a particular group that is currently in 10 process and does not yet have a title.

7. Implementation Mechanisms

The approach described herein for renting items to customers is applicable to any type of rental application and (without limitation) is particularly well suited for Internet-based rental applications for renting movies and music to customers. The invention may be implemented in hardware circuitry, in computer software, or a combination of hardware circuitry and computer software and is not limited to a particular hardware or software implementation

PIG 7 is a block diagram that illustrates a computer system 700 upon which an embodiment of the invention may be implemented. Computer system 700 includes a bus 702 or other communication mechanism for communicating information, and a processor 704 coupled with bus 702 for processing information Computer system 700 also includes a main memory 706, such as a random access memory (RAM) or other dynamic storage davice, coupled to bus 702 for storing information and instructions to be executed by processor 704 Main memory 706 also may be used for storing temporary variables or other intermediate information during execution of instructions to be executed by processor 704 Computer system 700 further includes a read only memory (ROM) 708 or other static storage device coupled to bus 702 for storing static information and instructions for processor 704 A storage device 710, such as a magnetic disk or optical disk, is provided and coupled to bus 702 for storing information and instructions

Computer system 700 may be coupled via bus 702 to a display 712, such as a cathode ray tube (CRI), for displaying information to a computer user An input device 714, including alphanumeric and other keys, is coupled to bus 702 for communicating information and command selections to processor 704 Another type of user input device is cursor control 716, such as a mouse, a trackball, or cursor direction keys for communicating direction information and command selections to processor 704 and for controlling cursor movement on display 712 This input device typically has two degrees of freedom in two axes, a first axis (o.g., x) and a second axis (o.g., y), that allows the device to specify positions in a plane

The invention is related to the use of computer system 700 for renting items to customers. According to one embodiment of the invention, the renting of items to customers in provided by computer system 700 in response to processor 704 executing one or more sequences of one or more instructions contained in main memory 706. Such instructions may be read into main memory 706 from another computer-readable medium, such as storage device 710 Execution of the sequences of instructions contained in main memory 706 causes processor 704 to perform the process steps described herein. One or more processors in a multiprocessing arrangement may also be employed to execute the sequences of instructions contained in main memory 706 In alternative embodiments, hard-wired circuitry may be used in place of or in combination with software instructions to implement the invention. Thus, embodiments of the

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invention are not limited to any specific combination of hardware circuitry and software

The term "computer-readable medium" as used herein refers to any medium that participates in providing instructions to processor 704 for execution. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media includes, for example, optical or magnetic disks, such as storage device 710 Volatile media includes dynamic memory, such as main memory 706. Transmission media 10 includes coaxial cables, copper wire and fiber optics, including the wires that comprise bus 702 Transmission media can also take the form of acoustic or light waves, such as those generated during radio wave and infrared data communica-

Common forms of computer-readable media include, for example, a floppy disk, a flexible disk, hard disk, magnetic tape, or any other magnetic medium, a CD-ROM, any other optical medium, punch cards, paper tape, any other physical medium with patterns of holes, a RAM, a PROM, and EPROM, a FLASH-EPROM, any other memory chip or cartridge, a carrier wave as described hereinafter, or any other medium from which a computer can read.

involved in currying one or more sequences of one or more instructions to processor 704 for execution. For example, the instructions may initially be carried on a magnetic disk of a remote computer. The remote computer can load the instructions into its dynamic memory and send the instructions over a telephone line using a modern. A modern local to computer system 700 can receive the data on the telephone line and use an infrared transmitter to convert the data to an infrared signal An infrared detector coupled to bus 702 can receive the data carried in the infrared signal and place the data on bus 702 Bus 702 carries the data to main memory 706, from which processor 704 retrieves and executes the instructions The instructions received by main memory 706 may optionally be stored on storage device 710 either before or after execution by processor 704

Computer system 700 also includes a communication interface 718 coupled to bus 702 Communication interface 718 provides a two-way data communication coupling to a network link 720 that is connected to a local network 722 For example, communication interface 718 may be an 45 integrated services digital network (ISDN) card or a modem to provide a data communication connection to a corresponding type of telephone line. As another example, communication interface 718 may be a local area network (LAN) card to provide a data communication connection to 50 a compatible LAN Wireless links may also be implemented. In any such implementation, communication interface 718 sends and receives electrical, electromagnetic or optical signals that carry digital data streams representing various types of information

Network link 720 typically provides data communication through one or more networks to other data devices. For example, network link 720 may provide a connection through local network 722 to a host computer 724 or to data equipment operated by an Internet Service Provider (ISP) 726 ISP 726 in turn provides data communication services through the world wide packet data communication network now commonly referred to as the "Internet" 728 Local network 722 and Internet 728 both use electrical, electromagnetic or optical signals that carry digital data streams 65 The signals through the various networks and the signals on network link 720 and through communication interface 718,

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which carry the digital data to and from computer system 700, are exemplary forms of carrier waves transporting the information

Computer system 700 can send messages and receive data, including program code, through the network(s), network link 720 and communication interface 718 In the Internet example, a server 730 might transmit a requested code for an application program through Internet 728, ISP 726, local network 722 and communication interface 718 In accordance with the invention, one such downloaded application provides for the renting of items to customers as described herein.

The received code may be executed by processor 704 as it is received, and/or stored in storage device 710, or other 15 non-volatile storage for later execution. In this manner, computer system 700 may obtain application code in the form of a carrier wave

The novel approach described herein for renting items to customers provides several advantages over prior approaches for renting items to customers. First, the decision of what items to rent may be separated from the decision of when to rent the items Customers may specify what items to rent using the item selection criteria and receive the items Various forms of computer readable media may be 25 to pick up the items. The selection criteria may be user at a future point in time, without having to go to the provider specific and may indicate a desired fulfillment sequence. Furthermore, customers are not constrained by conventional due dates and instead may establish continuous, serialized rental streams of items. The approach also allows more efficient inventory management.

The "Max Out" approach for inventory management allows users to maintain their own inventory of items that are periodically replaced by other items according to specified event criteria. The event criteria that trigger sending another item to a customer are very flexible and may be tailored to the requirements of a particular application. For example, as described herein, the event criteria may include a return of any of the items currently in use by the customer or merely customer notification. This is very convenient in the context of movie rentals since a the return of a movie to the provider automatically triggers the sending of another movie to the customer. The "Max Turns" approach for inventory management, when used alone or in combination with "Max Out," provides even greater flexibility for customers and providers. The max number of turns can be selected individually for particular customers depending upon their particular needs

The "Max Out" and "Max Turns" approaches provide treat flexibility in establishing subscription models to satisfy the needs of a particular application. Specifically, the size and replacement frequency of customer inventories can be tailored to each customer with individualized subscription plans.

In the foregoing specification, the invention has been described as applicable to an implementation anticipating Internet based ordering and mail or other long-distance delivery of the items, where the special advantages of the method are very attractive. However the same invention may be applied in a more conventional video, games, or music rental-stare setting, where subscription customers may be allowed rentals of a specified number of movies, games, or music selections at any time, and/or in one subscription period, without rental return due dates, in exchange for a periodic rental subscription fee

In the foregoing specification, the invention has been described with reference to specific embodiments thereof However, various modifications and changes may be made

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thereto without departing from the broader spirit and scape of the invention. The specification and drawings are, accordingly, to be regarded in an illustrative sense rather than a restrictive scase

The invention claimed is:

- 1 A computer-implemented method for renting movies to customers, the method comprising:
- providing electronic digital information that causes one or more attributes of movies to be displayed;
- establishing, in electronic digital form, from electronic 10 digital information received over the Internet, a movie rental queue associated with a customer comprising an ordered list indicating two or more movies for renting to the customer.
- causing to be delivered to the customer up to a specified 15 number of movies based upon the order of the list:
- in response to one or more delivery criteria being satisfied, selecting another movie based upon the order of the list and causing the selected movie to be delivered to the customer; and
- in response to other electronic digital information received from the customer over the internet, electronically updating the movie rental queue
- 2. A computer-implemented method as recited in claim 1, wherein updating the movie rental queue comprises chang- 25 ing the order of the two or more movies for reating to the customer.
- 3 A computer-implemented method as recited in claim 1, wherein updating the movie rental queue comprises indicating an additional movie in the ordered list
- 4. A computer-implemented method as recited in claim 1, wherein updating the movie rental queue comprises removing an indication of one or more of the movies from the ordered list
- wherein the two or more movies for renting to the customer are selected by the customer.
- 6. A computer-implemented method as recited in claim 1, further comprising determining the order of the two or more movies based upon one or more proferences of the customer 40
- 7 A computer-implemented method as recited in claim 1, wherein the delivery of the selected movie comprises delivery by mail.
- A computer-implemented method as recited in claim 1, wherein the delivery of the selected movie comprises deliv- 45 ery by mail on one or more optical media
- 9. A computer-implemented method as recited in claim 1, wherein the delivery criteria comprises receipt of the movie by mail
- 10 A computer-implemented method as recited in claim 50 1, wherein a number of movies delivered to the customer and not yet returned does not exceed the specified number
- 11 A method as recited in claim 1, wherein the other electronic digital information indicates one or more delivery criterin being satisfied
- 12 A method as recited in claim I, wherein the other electronic digital information comprises one or more selec-
- 13 A method as recited in claim 1, wherein the movies comprise any of motion pictures, television series, docu- 60 mentaries, cartoons, music videos, video recordings of concert performances, instructional programs, and educational emergenq
- 14 A computer-implemented method for renting movies to customers, the method comprising:
 - providing electronic digital information that causes one or more attributes of movies to be displayed;

- establishing, in electronic digital form, from electronic digital information received over the Internet, a movie rental queue associated with a customer comprising an ordered list indicating two or more movies for renting to the customer,
- causing to be delivered to the customer up to a specified number of movies based upon the order of the list, wherein the customer is not required to return the movies within a specified time associated with deliv-
- in response to one or more delivery criteria being satisfied, selecting another movie based upon the order of the list and causing the selected movie to be delivered to the customer; and
- in response to other electronic digital information received from the customer over the Internet, electronically updating the movie rental queue
- 15 A computer-implemented method as recited in claim 14, wherein updating the movie rental queue comprises changing the order of the two or more movies for renting to the customer.
- 16. A computer-implemented method as recited in claim 14, wherein updating the movie rental queue comprises indicating an additional movie in the ordered list
- 17. A computer-implemented method as recited in claim 14, wherein updating the movie rental queue comprises removing an indication of one or more of the movies from the ordered list
- 18. A computer-implemented method as recited in claim 14, wherein the two or more movies for renting to the customer are selected by the customer-
- 19. A computer-implemented method as recited in claim 14, further comprising determining the order of the two or 5 A computer-implemented method as recited in claim 1, 35 more movies based upon one or more preferences of the customer
 - 20. A computer-implemented method as recited in claim 14, wherein the delivery of the selected movie comprises delivery by mail
 - 21. A computer-implemented method as recited in claim 14, wherein the delivery of the selected movie comprises delivery by mail on one or more optical media
 - 22. A computer-implemented method as recited in claim 14, wherein the delivery criteria comprises receipt of the movie by mail
 - 23 A computer-implemented method as recited in claim 14, wherein a number of movies delivered to the customer and not yet returned does not exceed the specified number
 - 24 A computer-implemented method for renting movies to customers, the method comprising:
 - providing electronic digital information that causes one or more attributes of movies to be displayed;
 - establishing, in electronic digital form, from electronic digital information received over the Internet, a movie rental queue associated with a customer comprising an ordered list indicating two or more movies for renting to the customer:
 - causing to be delivered to the customer up to a specified number of movies based upon the order of the list, wherein the customer is not charged a fee for retaining one or more movies beyond a specified time associated with delivery;
 - in response to one or more delivery criteria being satisfied, selecting another movie based upon the order of the list and causing the selected movie to be delivered to the customer; and

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- in response to other electronic digital information received from the customer over the Internet, electronically updating the movie rental queue.
- 25. A computer-implemented method as recited in claim
 24, wherein updating the movie rental queue comprises 5
 changing the order of the two or more movies for renting to
 the customer.
- 26 A computer-implemented method as recited in claim 24, wherein updating the movie rental queue comprises indicating an additional movie in the ordered list.
- 27. A computer-implemented method as recited in claim 24, wherein updating the movie rental queue comprises removing an indication of one or more of the movies from the ordered list.
- 28. A computer-implemented method as recited in claim 15
 24, wherein the two or more movies for renting to the customer are selected by the customer.
- 29. A computer-implemented method as recited in claim 24, further comprising determining the order of the two or more movies based upon one or more preferences of the 20 customer.
- 30 A computer-implemented method as recited in claim 24, wherein the delivery of the selected movie comprises delivery by mail.
- 31 Å computer-implemented method as recited in claim 25
 24, wherein the delivery of the selected movie comprises
 delivery by mall on one or more optical media
- 32 A computer-implemented method as recited in claim 24, wherein the delivery criteria comprises receipt of the movie by mail
- 33 A computer-implemented method as recited in claim 24, wherein a number of movies delivered to the customer and not yet returned does not exceed the specified number
- 34 A computer-implemented method for renting movies to customers, the method comprising:
- establishing over the Internet a rental agreement with a customer that provides for charging the customer a periodic fee;
- providing electronic digital information that causes one or more attributes of movies to be displayed;
- establishing, in electronic digital form, from electronic digital information received over the Internet, a movie result queue associated with a customer comprising an ordered list indicating two or more movies for resting to the customer;
- causing to be delivered to the customer up to a specified number of movies based upon the order of the list;
- in response to one or more delivery criteria being satisfied, if the customer is current on the periodic fee, selecting another movie based upon the order of the list and causing the selected movie to be delivered to the customer, and
- in response to other electronic digital information received from the customer over the laternet, electronically updating the movie reatel queue.
- 35 A computer-implemented method as recited in claim 34, wherein updating the movie rental queue comprises changing the order of the two or more movies for renting to the customer
- 36 A computer-implemented method as recited in claim 60 34, wherein updating the movie rental queue comprises indicating an additional movie in the ordered list.
- 37 A computer-implemented method as recited in claim
 34, wherein updating the movie rental queue comprises
 removing an indication of one or more of the movies from
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 the ordered list

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- 38 A computer-implemented method as recited in claim 34, wherein the two or more movies for reating to the customer are selected by the customer
- 39 A computer-implemented method as recited in claim 34, further comprising determining the order of the two or more movies indicated by the movie rental queue based upon preferences of the customer
- 40 A computer-implemented method as recited in claim 34, wherein the delivery of the selected movie comprises 10 delivery by mail
 - 41 A computer-implemented method as recited in claim 34, wherein the delivery of the selected movie comprises delivery by mail on one or more optical media
 - 42. A computer-implemented method as recited in claim 34, wherein the receipt of the movie previously delivered to the customer comprises receipt by mail
 - 43. A computer-implemented method as recited in claim 34, wherein a number of movies delivered to the customer and not yet returned does not exceed the specified number
 - 44. A computer system for renting movies to customers, comorising:
 - a computer that is coupled to a digital telecommunications network by a digital telecommunications link;
 - an electronic digital memory in the computer,
 - one or more sequences of computer program instructions stored in the electronic digital memory which, when executed, cause the computer to perform the steps of: providing electronic digital information that causes one or more attributes of movies to be displayed;
 - establishing, in electronic digital form, from electronic digital information received over the internet, a movie rental queue associated with a customer comprising an ordered list indicating two or more movies for renting to the customer;
 - causing to be delivered to the customer up to a specified number of movies based upon the order of the list;
 - In response to one or more delivery criteria being satisfied, selecting another movie based upon the order of the list and causing the selected movie to be delivered to the customer; and
 - in response to other electronic digital information received from the customer over the Internet, electronically updating the movie rental queue
 - 45 A computer system as recited in claim 44, wherein the other electronic digital information specifies changing the order of the two or more movies for renting to the customer
 - 46. A computer system as recited in claim 44, wherein the other electronic digital information specifies an additional movie to add to the ordered list
 - 47. A computer system as recited in claim 44, wherein the other electronic digital information specifies removing an indication of one or more of the movies from the ordered list
 - 48 A computer system as recited in claim 44, wherein the delivery of the selected movie comprises delivery by mail
 - 49 A computer system as recited in claim 44, wherein the delivery of the selected movie comprises delivery by mail on one or more optical media
 - 50 A computer system as recited in claim 44, wherein the delivery criteria comprise receipt by mail
 - 51 A computer system as recited in claim 44, wherein a number of movies delivered to the customer and not yet returned does not exceed the specified number

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EXHIBIT B