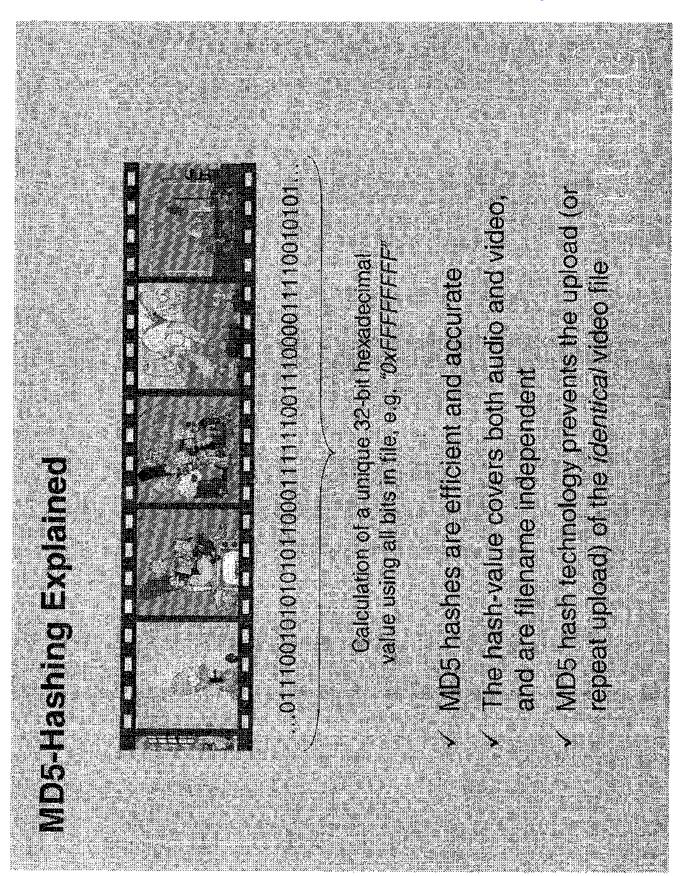
YouTube instructs users in a "Copyright Tips" section of the YouTube website how to understand copyright infringement and strongly discourages infringement.	w.youtube.com/t/h	
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1 Cation md Prominent Messages at Time of User Upload.	copyrighted, obscene, or any other material which violates ns of Use."	When clicking 'upload Video' you are representing that this video does not violate YouTube's Terms of Use and that you own all copyrights in this video or have express permission from the copyright owner(s) to upload it.	"Do not upload any TV shows, music videos, music concerts or commercials without permission unless they consist entirely of content you created yourself."	
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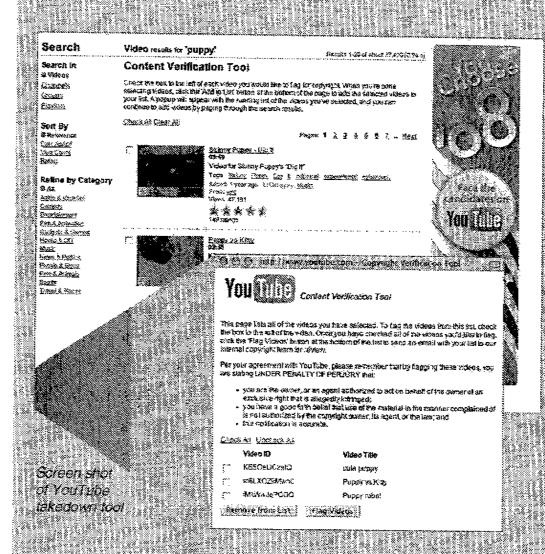
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	2	mplemented technology to prevent videos ppyright reasons from being uploaded agai	es a unique i	is to upload I dentifier, the whether the	
Mology	shing: MD5	osnasin i. M asmariantona r	The technology creates a unique identifier of each unauthorized video when it is removed.	If a user thereafter thes to upload the identical video that matches that unique identifier, the video is automatically rejected regardless of whether the users is using a different usemane or file name.	
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2 Technology Content Verification Take-Down Tool: - Automated DMCA notification and takedown tool for content companies Electronic tool that enables content companies to easily search for and identify videos on the site. That contain their content and have them promptly removed with the click of a mouse.

Content Verification Take-Down Tool



"Electronic" DMCA

- Use console to flag videos for takedown
- No fax, letter etc. needed

Pro-active takedown

- Immediate MD5 hash created for flagged videos
- Files with identical MD5 hash are blocked during the upload

Availability

 Contact YouTube for password protected access to the console (limited # of seats)

S Policies Clear and Publicly Posted YouTube Procedures	- Terms of Use clearly prohibit copyright intringement	* Numerous links on every page of the YouTube website:	* Explains simple email DMCA notice-and-takedown process	· Copyright tips and policies	-YouTube is generally recognized by content owners as having an industry-leading response time to takedown requests.	

YouTube	- Three "strikes" and you're out	This policy is automated.	

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	10-Minute Limit On Video Uploads	- Videos uploaded to the site by general users cannot exceed ten minutes in length	- Prevents users from uploading entire episodes of infringing commercial programs or movies.	- The system automatically rejects videos over ten mínutes	
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4) Business Partnerships	clude two types of monetization: t delivered directly from content parties	umed Content? YouTube and content company work together to identify partner content on YouTube ("Claim Your Content")	Once content identified and "claimed," YouTube sells adsand shares revenue with partner YouTube does not sell ads around user uploaded content that has not been "claimed" by a content partner	
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Case 1:07-cv-02103-LLS Document 212-2 Filed 03/18/10 Page 2 of 2

	Claim Your Content: Two Ways for Partner to Locate		With 'Glaim Your Content' Metadata	
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235000000000000000000000000000000000000	If Confent: A YouTube	(a) N832(h) (18974(C)(9)(b)		
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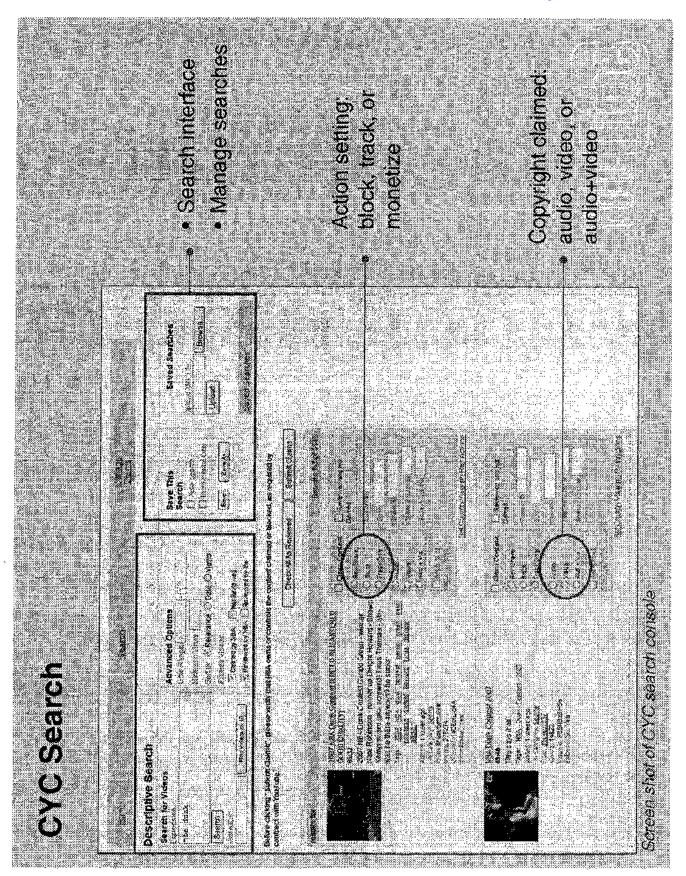
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Case 1:07-cv-02103-LLS Document 212-3 Filed 03/18/10 Page 1 of 2

siness Partnerships	Audio Fingerprinting • Our audio fingerprinting system is in testing now and rolling out soon for more content partners	With cooperation from the content partiner, this system will assist in identifying the partners content by its audio elements—not video. (e.g., a soundtrack to a film)	YouTube currently licenses Audible Magic's technology, and is always evaluating other options	While not yet commercially viable, YouTube is actively evaluating and intends to implement video fingerprinting solutions.	The more content we identify, the more we can license and monetize—out interests are aligned	
(4) Business	Audi •	• Wilh control (e.g., a	•	While not y and intends	• The more c	

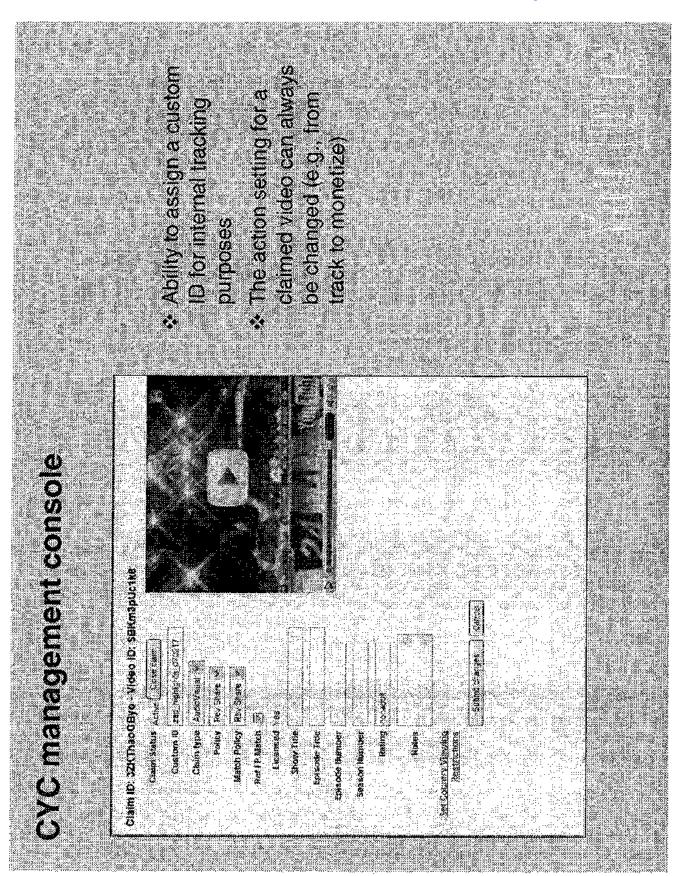
For cases in which audio fingerprinting is not an ideal license and monetize such content or take such Identification With "Claim Your Content" Metadata solution, YouTube also offers content holders metadata search tools that notify content holders when videos whose metadata includes certain Once notified, content partners choose whether to keywords are uploaded to the site. (4) Business Partnerships Search Tool

A-812

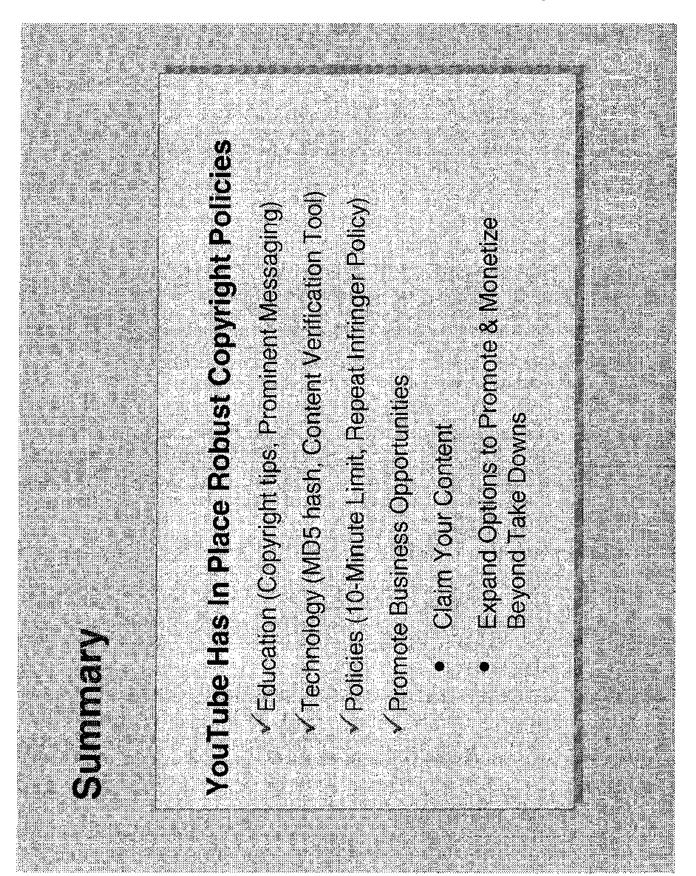


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A-813



Removal of Inappropriate Content YouTube is committed to providing a safe and positive environment for its users YouTube therefore prohibits the following types of content from appearing on the site. — Obscene — Threatening — Pornographic — Harassing YouTube provides community flagging tools to enable any user to easily report inappropriate content. Reports are viewed by YouTube's "Content Squad" very quickly, and inappropriate material is removed from the site. - Harassing - Hateful - Racially or ethnically offensive - Encourages or depicts illegal behavior - Otherwise inappropriate



Speaker Notes Slide: 1 Welcome to this overview of Google.

A-817

To:

"David Eun" <deun@google.com>

From:

"David Eun" <deun@google.com>

Cc: Bcc:

Received Date:

2007-02-15 15:49:37 CST

Subject:

laer

Every potential partner (with or without a YT deal) has access to the automated takedown tool. This comprises of (i) an online console to file DMCA complaints and request take-downs and (ii) an MD5 hash to pro-actively take down a new upload of a previously taken-down video file (i.e., assuminate it is bit-for-bit identical).

>> Our CYC tools are now live as well and are only offered to partners who enter into a revenue deal with us. In particular, I believe that WMG and UMG are live. In order to identify possible infringements, they can either upload their videos into a reference database (beforehand) for matching through fingerprint (FP) technology or perform keyword searches across the YT index. Once a video is identified, the partner can either request (I) = take-down, (ii) embrace with revenue share, or (iii) embrace without revenue share but tracking. We calculate both a hash and derive a FP of every vide= assigned in either of these three buckets, and future uploads of the same video (through either exact (whash) or approximate (with a the originally designated one.

Today we have:

- 1) digital hashing on all files
- 2) Content Verification program offered on a select basis to partners (or companies that have contacted us with DMCA concerns). This is basicalle a way to easily notify YouTube of infringing content. In practice the "user" sees a little check box next to video search results. If they check the box we are notified of a takedown request. We offer this on a select basis because of the potential for abuse/misuse by content companies. All searches have to be entered manually same behavior you have as a general YouTube user

The new CYC system has

- 1) digital hashing on all files
- 2) Audio fingerprinting system whereby the content partner can send "reference fingerprints" to Audible Magic's database along with a policy decision to license or block each piece of content. Each time a piece of content is uploaded to YouTube we will check Audible's database and look fo= a match. If there is a match the partner's policy kicks in (e.g. license o= block).
- 3) Advanced text search tool. Enables partners to enter in any numbe≈ of search terms or strings. Partners can send these terms to YouTube in an

DATE: 4-22-09 EXHIBIT# 27

CASE: Viacom, et al., v. YouTube, et al., The Football Association Premier League, et al., v. YouTube, et al., Case Nos. 07-CV-2203 and 07-CV-3582 A. Ignacio Howard, CLR, RPR, CSR No. 9830

Highly Confidential

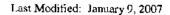
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A-818

XML feed or enter them manually. Searches can be narrowed or broadened and all searches can be saved. YouTube will "push" search results to the partner in the form of a daily email showing and matches. Partner gets a nice admin interface showing all the matches. Partner is responsible for reviewing the matches and per the DMCA identifying their content. If the partner identifies content they are given the choice to either license or block the content. Any content the partner identifies is automatically audio fingerprinted and placed in the Audible Magic database so the entire process gets smarter over time.

David Eun NY: 212-565-8070 CA: 650-253-1993





YOUTUBE/GOOGLE CONTENT IDENTIFICATION AND CLAIMING SYSTEM

"CLAIM YOUR CONTENT"

WHITE PAPER

I. Introduction

Overview

At all times during the Term, YouTube/Google shall facilitate and maintain content identification services in accordance with this Exhibit [__]. It is the intent of the parties that these content identification services will_enable PARTNER to easily identify audio and audiovisual materials on the Video Service that are owned or controlled by PARTNER, and enable PARTNER to elect in each case to either (A) license the content to YouTube/Google in connection with the Video Service on the terms and conditions prescribed in the Agreement or (B) remove it from the Video Service (the "Election"). The content identification services shall consist of a three step process outlined in summary form immediately below and described in further detail in this exhibit:

- a. <u>Video Hashing.</u> YouTube/Google will create and retain a unique MD5 hash of each file that is identified during the Term as Blocked Content (as defined below) or that is removed from the Video Service due to an allegation of copyright infringement. YouTube/Google will block any files uploaded during the Term that match any of the MD5 hash(s) of any previously removed file.
- b. <u>Audio Fingerprinting</u>. For PARTNER content that is not identified by Video Hashing, YouTube/Google will employ audio fingerprinting technology to identify PARTNER content uploaded to the Video Service during the Term. In the event that a file is identified as containing audio content owned or controlled by PARTNER, PARTNER shall have the option to make the Election.
- c. <u>Text & Tag Searching</u>. For PARTNER content that is not identified by Video Hashing or Audio Fingerprinting, YouTube/Google will supply PARTNER with access to the Search & Claim Tool (as defined below) and shall run PARTNER Searches (as defined below) on behalf of PARTNER.

Deleted: Content lentification Claiming Filtering and Blocking (CLEAN 11.18.06)

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DATE: 13/10/08
DEPONENT: Chashignol

EXHIBIT# 2

CASE: Viacom, et al., v. YouTube, et al., The Football Association Premier League, et al., v. YouTube, et al., Case Nos. 07-CV-2203 and 07-CV-3582 A. Ignacio Howard, CLR, RPR, CSR No. 9830

