

# Exhibit 3



US008205237B2

(12) **United States Patent**  
**Cox**

(10) **Patent No.:** **US 8,205,237 B2**  
(45) **Date of Patent:** **\*Jun. 19, 2012**

(54) **IDENTIFYING WORKS, USING A SUB-LINEAR TIME SEARCH, SUCH AS AN APPROXIMATE NEAREST NEIGHBOR SEARCH, FOR INITIATING A WORK-BASED ACTION, SUCH AS AN ACTION ON THE INTERNET**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 594 days.

This patent is subject to a terminal disclaimer.

(Continued)

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(21) Appl. No.: **11/977,202**

Peter N. Yianilos, Excluded Middle Vantage Point Forest for Nearest Neighbor Search, Aug. 1, 1999, pp. 1-12.\*

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

(Continued)

(65) **Prior Publication Data**

US 2008/0060036 A1 Mar. 6, 2008

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Assistant Examiner — Cai Chen

**Related U.S. Application Data**

(63) Continuation of application No. 11/445,928, filed on Jun. 2, 2006, which is a continuation-in-part of application No. 09/950,972, filed on Sep. 13, 2001, now Pat. No. 7,058,223.

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(60) Provisional application No. 60/232,618, filed on Sep. 14, 2000.

(57) **ABSTRACT**

A media work may be associated with an action by (a) extracting features from the media work, (b) determining an identification of the media work, based on the features extracted, using a sub-linear time search, such as an approximate nearest neighbor search for example, and (c) determining an action based on the identification of the media work determined. The media work may be an audio work. The features extracted from the work may include (A) a frequency decomposition of a signal of the audio work, (B) information samples of the audio work, (C) average intensities of sampled windows of the audio work, and/or (D) information from frequencies of the audio work.

(51) **Int. Cl.**  
**H04N 7/173** (2011.01)

(52) **U.S. Cl.** ..... **725/110**

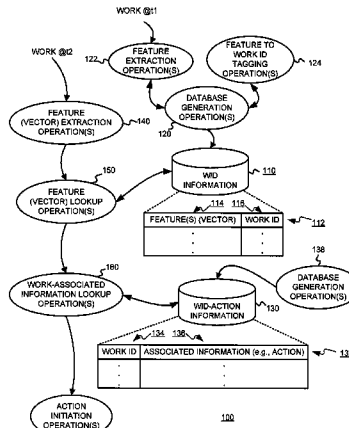
(58) **Field of Classification Search** ..... None  
See application file for complete search history.

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**40 Claims, 10 Drawing Sheets**



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