



US008364026B2

(12) **United States Patent**
Cheng et al.

(10) **Patent No.:** US 8,364,026 B2

(45) **Date of Patent:** Jan. 29, 2013

(54) **VIDEO PLAYBACK SYSTEM AND METHOD**

(75) **Inventors:** Kai-Yin Cheng, Taipei (TW); Sheng-Jie Luo, Taipei (TW); Bing-Yu Chen, Taipei (TW); Hao-Hua Chu, Taipei (TW)

(73) **Assignee:** National Taiwan University, Taipei (TW)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 364 days.

(21) **Appl. No.:** 12/728,136

(22) **Filed:** Mar. 19, 2010

(65) **Prior Publication Data**
US 2010/0322594 A1 Dec. 23, 2010

(30) **Foreign Application Priority Data**
Jun. 19, 2009 (TW) 98120754 A

(51) **Int. Cl.**
H04N 5/783 (2006.01)

(52) **U.S. Cl.** 386/343; 386/345

(58) **Field of Classification Search** 386/343, 386/345, 346, 347, 350, 351
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,377,051 A * 12/1994 Lane et al. 386/314
2008/0037953 A1 * 2/2008 Kawamura et al. 386/75
2011/0205436 A1 * 8/2011 Kondo et al. 348/571

FOREIGN PATENT DOCUMENTS

JP 410243351 A * 9/1998

* cited by examiner

Primary Examiner — Robert Chevalier

(57) **ABSTRACT**

A method in a video playback system for playing a video with a specific playback speed in accordance with a video feature and a playback record is described. The system allows the playback record records a preceding playback speed corresponding to the video previously played to learn user preferences for a user. This makes the specific playback speed more suitable for the user without any adjustment. In addition, the system also allows the user input a resetting playback speed to actively adjust the specific playback speed if the original specific playback speed is not suitable for the user.

17 Claims, 3 Drawing Sheets

