Title (en)
COMMON EVENT-BASED MULTIDEVICE MEDIA PLAYBACK

Title (de)
GEMEINSAME EREIGNISBASIERTE MEDIENWIEDERGABE MIT MEHREREN VORRICHTUNGEN

Title (fr)
LECTURE MULTIMÉDIA MULTIDISPOSITIF À BASE D'ÉVÉNEMENTS COMMUNS

Publication
EP 2920953 A4 20160727 (EN)

Application
EP 13855347 A 20131118

Priority
- US 201261727624 P 20121116
- US 2013070634 W 20131118

Abstract (en)
[origin: WO2014078818A1] A system for event-based synchronized multimedia playback, comprising a media source device and a plurality of destination devices, each destination device comprising a local clock, and a synchronization module on one of the devices. The synchronization module transmits common events, E_n , each with a unique event number, to each of the plurality of destination devices. Each destination device records time Dx_n when event E_n is received and transmits an acknowledgement message back to the synchronization module comprising time Dx_n and event number n. The synchronization module determines phase and frequency differences between clocks of respective destination devices; computes a frequency adjustment to compensate for phase and rate differences; and directs each respective destination device to adjust its clock phase and frequency accordingly. Each destination device adjusts its local clock as directed or may perform a sample rate conversion on sample data in order to enable synchronized media playback.

IPC 8 full level
H04N 21/242 (2011.01)

CPC (source: EP US)
H04H 20/18 (2013.01 - EP); H04N 5/04 (2013.01 - EP); H04N 21/242 (2013.01 - EP); H04N 21/43076 (2020.08 - EP US); H04N 21/6405 (2013.01 - EP); H04R 2227/005 (2013.01 - EP)

Citation (search report)
- [X] WO 2007087644 A2 20070802 - BLACKFIRE RES CORP [US], et al
- See references of WO 2014078818A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014078818 A1 20140522; CN 104937919 A 20150923; EP 2920953 A1 20150923; EP 2920953 A4 20160727; JP 2016503623 A 20160204; JP 6290915 B2 20180307

DOCDB simple family (application)
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