

Title (en)
TWO-DIMENSIONAL VIDEO TO THREE-DIMENSIONAL VIDEO CONVERSION METHOD AND SYSTEM

Title (de)
VERFAHREN UND SYSTEM ZUR UMWANDLUNG ZWEIDIMENSIONALER VIDEOS IN DREIDIMENSIONALE VIDEOS

Title (fr)
PROCÉDÉ ET SYSTÈME DE CONVERSION DE VIDÉO BIDIMENSIONNELLE EN VIDÉO TRIDIMENSIONNELLE

Publication
EP 2984820 A1 20160217 (EN)

Application
EP 13881474 A 20130409

Priority
US 2013035843 W 20130409

Abstract (en)
[origin: WO2014168614A1] A method for converting two-dimensional video to three-dimensional video. The method includes the steps of comparing at least part of video frame x to a corresponding at least part of video frame y to determine movement therebetween, calculating a movement direction and movement extent based on the determined movement, determining viewing frame L and viewing frame R based on the movement direction, and modifying viewing frame R based on the movement direction and the movement extent to create modified viewing frame R'. One alternative embodiment is a video display device for converting two-dimensional video to three-dimensional video. Another alternative embodiment includes one or more device-readable media storing executable instructions that, when executed, configure a video display device to convert two-dimensional video to three-dimensional video.

IPC 8 full level
H04N 13/00 (2006.01); **G06T 27/22** (2006.01); **G02B 30/25** (2020.01); **G06T 7/00** (2017.01); **G06T 7/20** (2017.01); **H04N 13/02** (2006.01)

CPC (source: EP RU US)
G06T 7/248 (2016.12 - EP US); **G06T 7/285** (2016.12 - RU); **G06T 15/00** (2013.01 - RU); **H04N 13/00** (2013.01 - EP);
H04N 13/264 (2018.04 - EP); **G06T 1/00** (2013.01 - RU); **G06T 7/20** (2013.01 - RU); **G06T 7/223** (2016.12 - RU); **G06T 7/246** (2016.12 - RU);
G06T 7/30 (2016.12 - RU)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014168614 A1 20141016; AU 2013385831 A1 20151112; AU 2013385831 B2 20160901; CA 2909245 A1 20141016;
CA 2909245 C 20180227; CN 105531997 A 20160427; CN 105531997 B 20180713; EP 2984820 A1 20160217; EP 2984820 A4 20170322;
JP 2016519905 A 20160707; JP 6333952 B2 20180530; KR 101729883 B1 20170424; KR 20160022295 A 20160229;
RU 2015147541 A 20170512; RU 2642367 C2 20180124; SG 11201508332Y A 20151127

DOCDB simple family (application)
US 2013035843 W 20130409; AU 2013385831 A 20130409; CA 2909245 A 20130409; CN 201380077274 A 20130409;
EP 13881474 A 20130409; JP 2016507524 A 20130409; KR 20157031808 A 20130409; RU 2015147541 A 20130409;
SG 11201508332Y A 20130409