

Title (en)
IMPROVED RESOLUTION FOR AUTOSTEREOSCOPIC VIDEO DISPLAYS

Title (de)
VERBESSERTE AUFLÖSUNG FÜR AUTOSTEREOSKOPISCHE VIDEOANZEIGEN

Title (fr)
RÉSOLUTION AMÉLIORÉE POUR DES AFFICHAGES VIDÉO AUTOSTÉRÉOSCOPIQUES

Publication
EP 3186962 A1 20170705 (EN)

Application
EP 14795694 A 20140825

Priority
US 2014052504 W 20140825

Abstract (en)
[origin: WO2016032423A1] A single pixel of a video display can display respective individual pixels of multiple views. In other words, a video display can include more views for an autostereoscopic image than the physical pixels of the video display would ordinarily support. The physical pixel is time-multiplexed in that the physical pixel displays a pixel of one view for a given time interval and a view multiplexer deflects the light from the physical pixel by a predetermined angle to make the pixel appear in a location corresponding to the pixel of the view. In another time interval, the physical pixel displays a pixel of a different view and the view multiplexer deflects light from the physical pixel by a different predetermined angle to make the pixel appear in a location corresponding to the pixel of the different view.

IPC 8 full level
G02B 27/22 (2006.01); **G02B 30/27** (2020.01); **G02F 1/1335** (2006.01); **G02F 1/13363** (2006.01); **G02F 1/29** (2006.01); **H04N 13/04** (2006.01); **G02B 30/30** (2020.01)

CPC (source: EP KR)
G02B 30/24 (2020.01 - EP KR); **G02B 30/27** (2020.01 - EP KR); **G02F 1/133526** (2013.01 - KR); **G02F 1/29** (2013.01 - EP KR); **H04N 13/305** (2018.04 - EP KR); **H04N 13/315** (2018.04 - EP KR); **H04N 13/354** (2018.04 - EP KR); **G02B 30/30** (2020.01 - EP KR); **G02F 1/133526** (2013.01 - EP)

Citation (search report)
See references of WO 2016032423A1

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 2016032423 A1 20160303; CN 106716996 A 20170524; EP 3186962 A1 20170705; KR 20170047274 A 20170504

DOCDB simple family (application)
US 2014052504 W 20140825; CN 201480082029 A 20140825; EP 14795694 A 20140825; KR 20177006865 A 20140825