

Title (en)

Display with pixel elements mounted on a paddle sweeping out an area and optical sensors for calibration

Title (de)

Anzeige mit Pixel-Elementen, die auf einem schaufelförmigen Brett montiert sind und einen Bereich abtasten, und optischen Sensoren zur Kalibrierung

Title (fr)

Affichage avec éléments de pixel montés sur une pale balayant une région et capteurs optiques pour l' étalonnage

Publication

EP 2390867 A1 20111130 (EN)

Application

EP 11164973 A 20090721

Priority

- EP 09800669 A 20090721
- US 22044308 A 20080723
- US 22044408 A 20080723
- US 22044708 A 20080723

Abstract (en)

A composite display is disclosed which includes a paddle configured to sweep out an area, a plurality of pixel elements mounted on the paddle, and one or more optical sensors mounted on the paddle and configured to measure luminance values of the plurality of pixel elements. Selectively activating one or more of the plurality of pixel elements while the paddle sweeps the area causes at least a portion of an image to be rendered. Further, a corresponding method for constructing a composite display is disclosed.

IPC 8 full level

G09G 3/00 (2006.01); **G09G 3/32** (2006.01)

CPC (source: EP KR)

G09G 3/001 (2013.01 - EP); **G09G 3/20** (2013.01 - KR); **H04N 9/64** (2013.01 - KR); **H04N 9/73** (2013.01 - KR); **G09G 2300/026** (2013.01 - EP); **G09G 2300/0452** (2013.01 - EP); **G09G 2320/0242** (2013.01 - EP); **G09G 2320/043** (2013.01 - EP); **G09G 2320/0626** (2013.01 - EP); **G09G 2320/0666** (2013.01 - EP); **G09G 2320/0693** (2013.01 - EP)

Citation (search report)

- [Y] WO 0017843 A1 20000330 - ADFLASH LIMITED [GB], et al
- [Y] US 2001048406 A1 20011206 - MASUMOTO JUNJI [JP], et al
- [Y] US 2006007011 A1 20060112 - CHIVAROV STEFAN N [BG]
- [Y] US 2004196225 A1 20041007 - SHIMADA NAOTO [JP]
- [Y] WO 2004097783 A1 20041111 - VISIONEERED IMAGE SYSTEMS INC [US], et al
- [Y] WO 03021565 A1 20030313 - HONEYWELL INT INC [US]
- [Y] WO 03077013 A2 20030918 - UNIV BRITISH COLUMBIA [CA], et al
- [Y] US 2005052404 A1 20050310 - KIM SEONGUUK [KR], et al
- [Y] US 2006119592 A1 20060608 - WANG JIAN [US], et al

Cited by

US8106854B2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010011303 A1 20100128; CN 102187679 A 20110914; EP 2342899 A1 20110713; EP 2342899 A4 20131009; EP 2390867 A1 20111130; EP 2395499 A1 20111214; JP 2011529204 A 20111201; JP 2012238015 A 20121206; KR 20110036623 A 20110407

DOCDB simple family (application)

US 2009004245 W 20090721; CN 200980128741 A 20090721; EP 09800669 A 20090721; EP 11164973 A 20090721; EP 11164990 A 20090721; JP 2011520039 A 20090721; JP 2012161376 A 20120720; KR 20117003821 A 20090721