

Title (en)  
Colour display

Title (de)  
Farbanzeige

Title (fr)  
Affichage en couleur

Publication  
**EP 2302616 A1 20110330 (EN)**

Application  
**EP 09275086 A 20090929**

Priority  
EP 09275086 A 20090929

Abstract (en)  
A colour sequential display method and apparatus that reduces or eliminates colour breakup. In a given frame (21) an illumination source (4) provides a first illumination colour, e.g. green, in a first subframe (31), a second illumination colour e.g. red, in a third subframe (33), and both the first and second illumination colours simultaneously in a second subframe (32) to provide a third mixed illumination colour. Also in the given frame (21) the pixel is driven either: (a) during the first subframe (31) to display the first colour; or (b) during the third subframe (33) to display the second colour; or (c) at least during the second subframe (32) to display the third colour. Colour breakup of the mixed colour is thereby reduced, or if choice (c) is carried out only during the second subframe (32), will tend to be eliminated.

IPC 8 full level  
**G09G 3/34** (2006.01)

CPC (source: EP)  
**G09G 3/3413** (2013.01); **G09G 2310/0235** (2013.01); **G09G 2320/0242** (2013.01); **G09G 2320/0261** (2013.01)

Citation (applicant)  
US 5684498 A 19971104 - WELCH BRIAN L [CA], et al

Citation (search report)  
• [XA] US 2009115719 A1 20090507 - LIN FANG-CHENG [TW], et al  
• [E] EP 2128849 A1 20091202 - EPSON IMAGING DEVICES CORP [JP]  
• [XA] WO 2008015953 A1 20080207 - SHARP KK [JP], et al & US 2009322797 A1 20091231 - TOKUI KEI [JP]  
• [A] YAMAKITA H ET AL: "Field-Sequential Color LCD driven by Optimized Method for Color Breakup Reduction", IDW/AD, LCT6 - 2, LONDON UK, 1 January 2005 (2005-01-01), pages 83 - 86, XP007014380

Cited by  
AU2016378943B2; US10957279B2; WO2017109472A1

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)  
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