

Title (en)

Compression of image data associated with two-dimensional arrays of pixel sub-components

Title (de)

Komprimierung von Bilddaten, die sich auf zweidimensionale Anordnungen von Bildpunkt-Teilkomponenten beziehen

Title (fr)

Compression de données d'image associées aux reseaux bidimensionnels de sous-composants de pixels

Publication

**EP 1557813 B1 20110427 (EN)**

Application

**EP 05007975 A 20000201**

Priority

- EP 00907106 A 20000201
- US 11804899 P 19990201

Abstract (en)

[origin: WO0045368A1] LCD Display device (320) with increased horizontal and vertical resolution. The horizontal resolution is increased by mapping spatially different sets of one or more samples to individual pixel sub-components (302, 304, 306). The vertical resolution is increased by increasing the number of pixel sub-component density in the vertical dimension. Image data compression is performed by controlling sets of vertically adjacent pixels (C1, R1) using red, green, and blue luminous intensity values and a bias value of the pixel sub-components (302, 304, 306, 312, 314, 316).

IPC 8 full level

**G06T 1/00** (2006.01); **G09G 5/10** (2006.01); **G06T 3/40** (2006.01); **G09G 3/20** (2006.01); **G09G 3/36** (2006.01); **G09G 5/00** (2006.01); **G09G 5/24** (2006.01); **G09G 5/28** (2006.01); **H04N 1/387** (2006.01); **H04N 1/46** (2006.01); **H04N 9/64** (2006.01)

CPC (source: EP)

**G09G 3/20** (2013.01); **G09G 3/2003** (2013.01); **G09G 3/3611** (2013.01); **G09G 3/2074** (2013.01); **G09G 2300/0443** (2013.01); **G09G 2300/0452** (2013.01); **G09G 2320/02** (2013.01); **G09G 2340/02** (2013.01); **G09G 2340/0414** (2013.01); **G09G 2340/0428** (2013.01); **G09G 2340/0457** (2013.01)

Cited by

KR100846798B1; EP2497274B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0045368 A1 20000803**; AT E293273 T1 20050415; AT E507553 T1 20110515; AU 2866100 A 20000818; DE 60019403 D1 20050519; DE 60019403 T2 20050908; DE 60045899 D1 20110609; EP 1163658 A1 20011219; EP 1163658 A4 20030604; EP 1163658 B1 20050413; EP 1557813 A2 20050727; EP 1557813 A3 20090722; EP 1557813 B1 20110427; ES 2361415 T3 20110616; JP 2002536678 A 20021029; JP 4833412 B2 20111207

DOCDB simple family (application)

**US 0002494 W 20000201**; AT 00907106 T 20000201; AT 05007975 T 20000201; AU 2866100 A 20000201; DE 60019403 T 20000201; DE 60045899 T 20000201; EP 00907106 A 20000201; EP 05007975 A 20000201; ES 05007975 T 20000201; JP 2000596550 A 20000201