

Title (en)  
COMPRESSION OF IMAGE DATA ASSOCIATED WITH TWO-DIMENSIONAL ARRAYS OF PIXEL SUB-COMPONENTS

Title (de)  
KOMPRIMIERUNG VON BILDDATEN IN VERBINDUNG MIT ZWEIDIMENSIONALEN ANORDNUNGEN VON BILDPUNKT-TEILKOMPONENTEN

Title (fr)  
COMPRESSION DE DONNEES D'IMAGES ASSOCIEES AUX RESEAUX BIDIMENSIONNELS DE SOUS-COMPOSANTS DE PIXELS

Publication  
**EP 1163658 B1 20050413 (EN)**

Application  
**EP 00907106 A 20000201**

Priority  
• US 0002494 W 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 1-7  
**G09G 5/10**; **G09G 3/20**; **G09G 3/36**; **G09G 5/24**

IPC 8 full level  
**G06T 1/00** (2006.01); **G06T 3/40** (2006.01); **G09G 3/20** (2006.01); **G09G 3/36** (2006.01); **G09G 5/00** (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  
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**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

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