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)

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EP1557813A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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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

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