

Title (en)
Processing color sub-pixels

Title (de)
Verarbeitung von Farb-Unterpixeln

Title (fr)
Traitement de sous-pixels colorés

Publication
EP 2388773 A3 20120926 (EN)

Application
EP 11167003 A 20110520

Priority
• US 34726310 P 20100521
• US 90717810 A 20101019
• US 90718910 A 20101019
• US 90720810 A 20101019

Abstract (en)
[origin: EP2388773A2] A method may include receiving data pixels of a color image and mapping the color image to display pixels of a display device. Data pixels may have first and second color components, each component having an associated color property. Display pixels may have two or more sub-pixels. The mapping may include mapping a first color component of a first data pixel to a first sub-pixel of a first display pixel, mapping a second color component of a second data pixel to a second sub-pixel of the first display pixel, and storing the first and second color components in a memory. One or more sub-pixel locations in a color filter array map may be selected to diffuse quantization error. The method may include determining a first quantized color component, determining a first quantization error, and diffusing the first quantization error to the selected one or more sub-pixel locations. An embodiment is directed to a processor.

IPC 8 full level
G09G 5/02 (2006.01); **G09G 3/20** (2006.01)

CPC (source: EP)
G09G 3/2003 (2013.01); **G09G 3/2059** (2013.01); **G09G 5/02** (2013.01); **G09G 3/2044** (2013.01); **G09G 3/344** (2013.01); **G09G 5/06** (2013.01); **G09G 2300/0452** (2013.01); **G09G 2320/0242** (2013.01); **G09G 2320/041** (2013.01); **G09G 2320/0613** (2013.01); **G09G 2340/0457** (2013.01); **G09G 2360/144** (2013.01); **G09G 2360/16** (2013.01)

Citation (search report)
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