Title (en)
Alpha blending with gamma correction

Title (de)
Gamma korrigiertes Alpha-Blending

Title (fr)
Mélangeur alpha avec correction de gamma

Publication
EP 1168294 A3 20030625 (DE)

Application
EP 01115455 A 20010627

Priority
• DE 10030787 A 20000629
• DE 10037661 A 20000731

Abstract (en)
[origin: EP1168294A2] The method involves controlling individual image element or pixel light emission with electrical signals. The light density corresponds to a defined information value. Two information values are superimposed in one pixel by superimposing electrical signals, especially adding them according to alpha-blending, with a correction taking into account the non-linear dependency between electrical signal strength and pixel optical light density. The method involves controlling the light emission of individual image elements or pixels with electrical signals, especially voltages, whereby the light density of the light emission corresponds to a defined information value, especially a color and/or an intensity, and two information values are superimposed in one pixel to form a total value by superimposing electrical signals, especially by adding them according to the principle of alpha-blending. A correction is performed during superimposition, whereby the non-linear dependency between the strength of the electrical signal and the optical light density of the image element is taken into account. Independent claims are also included for the following: a display device for visual reproduction of graphical information and a use of the method for graphical preparation of information subjected to anti-aliasing correction.

IPC 1-7
G09G 5/10; G09G 5/02

IPC 8 full level
G09G 5/10 (2006.01)

CPC (source: EP)
G09G 5/10 (2013.01); G09G 2320/0606 (2013.01); G09G 2320/0673 (2013.01); G09G 2340/12 (2013.01)

Citation (search report)
• [A] US 5831604 A 19981103 - GERBER RICHARD [US]
• [A] US 5774112 A 19980630 - KASSON JAMES M [US]

Cited by
EP3991133A4

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

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EP 1168294 A2 20020102; **EP 1168294 A3 20030625**; **EP 1168294 B1 20081210**

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EP 01115455 A 20010627