

Title (en)

LOCALLY OPTIMIZED TRANSFER FUNCTIONS FOR VOLUME VISUALIZATION

Title (de)

LOKAL OPTIMIERTE ÜBERTRAGUNGSFUNKTIONEN ZUR VISUALISIERUNG VON VOLUMENDATEN

Title (fr)

FONCTIONS DE TRANSFERT LOCALEMENT OPTIMISÉES POUR VISUALISATION VOLUMIQUE

Publication

**EP 2044574 A2 20090408 (EN)**

Application

**EP 07805118 A 20070711**

Priority

- IB 2007052770 W 20070711
- EP 06117040 A 20060712
- EP 07805118 A 20070711

Abstract (en)

[origin: WO2008007344A2] The invention relates to a system (100) for computing an image based on image data for displaying in a display, the image comprising a first image and a second image, the system comprising a first determination unit (110) for determining a first image data within the image data for computing the first image and for determining a second image data within the image data for computing the second image; a second determination unit (120) for determining a first transfer function for computing the first image and for determining a second transfer function for computing the second image; a third determination unit (130) for determining a viewing direction for computing the first image and for computing the second image; a fourth determination unit (140) for determining a first region of the display for displaying the first image and for determining a second region of the display for displaying the second image; and a computation unit (150) for computing the first image and the second image, thereby computing the image. The system (100) is thus capable of improving the quality of the displayed image by optimizing the first transfer function for computing the first image for displaying in the first display region and by optimizing the second transfer function for computing the second image for displaying in the second display region.

IPC 8 full level

**G06T 11/00** (2006.01)

CPC (source: EP)

**G06T 15/10** (2013.01)

Citation (search report)

See references of WO 2008007344A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008007344 A2 20080117; WO 2008007344 A3 20080313**; CN 101490713 A 20090722; EP 2044574 A2 20090408; JP 2010509941 A 20100402

DOCDB simple family (application)

**IB 2007052770 W 20070711**; CN 200780026051 A 20070711; EP 07805118 A 20070711; JP 2009519047 A 20070711