

Title (en)

METHOD AND DEVICE FOR ADAPTING A RENDERING VISIBILITY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANPASSUNG VON DARSTELLUNGSSICHTBARKEIT

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ADAPTER UNE VISIBILITÉ DE RENDU

Publication

EP 3382685 A1 20181003 (EN)

Application

EP 17305392 A 20170331

Priority

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Abstract (en)

A method for adapting a rendering visibility of a content is disclosed. A salient idea is to modify color component values of an element of the content so as to relatively increase a color component for which a human sensitivity is high, with regards to another color component for which the human sensitivity is low, the modification being independent of the color component values of the element of the content, the modification not necessarily preserving the creative intent of the content. A color component for which the human sensitivity is high typically corresponds to a green or a yellow color component of a displayed signal and a color component for which the human sensitivity is low typically corresponds to a blue or a red color component of a displayed signal. Relatively increasing on one hand for example a green and/or a yellow color component value of an element with regards to a red and/or a blue color component value of the element in the other hand advantageously increases the visibility of the pixel without increasing the power consumption of the device. Moreover relatively decreasing a color component (red or blue) with regards to another color component (green or yellow) by applying a same ratio factor to all the values of that color component, the ratio factor being independent from the values of the color component, is advantageous as it does not require an analysis of the color component values prior determining and applying the ratio factor. The color component modification remains simple and efficient.

IPC 8 full level

G09G 3/20 (2006.01); **G09G 3/22** (2006.01); **G09G 3/3208** (2016.01)

CPC (source: EP)

G09G 3/2003 (2013.01); **G09G 3/22** (2013.01); **G09G 3/3208** (2013.01); **G09G 2320/0606** (2013.01); **G09G 2320/0666** (2013.01); **G09G 2330/021** (2013.01); **G09G 2360/144** (2013.01)

Citation (applicant)

US 2015187331 A1 20150702 - KIM SEONG-GYUN [KR], et al

Citation (search report)

- [XII] US 2009174723 A1 20090709 - DE VAAN ADRIANUS JOHANNES STEPANUS [NL], et al
- [XI] KR 20130037538 A 20130416 - LG DISPLAY CO LTD [KR]
- [I] US 2015145839 A1 20150528 - HACK MICHAEL [US], et al
- [X] US 2003222866 A1 20031204 - FUNSTON DAVID L [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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