

Title (en)

DYNAMIC POWER CONTROL FOR DISPLAY SCREENS

Title (de)

DYNAMISCHE LESITUNGSREGELUNG FÜR ANZEIGESCHIRME

Title (fr)

COMMANDE DE PUISSANCE DYNAMIQUE POUR DES ÉCRANS D'AFFICHAGE

Publication

EP 2153430 A2 20100217 (EN)

Application

EP 08751192 A 20080509

Priority

- IB 2008051844 W 20080509
- EP 07108345 A 20070516
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Abstract (en)

[origin: WO2008142602A2] A display system (100) includes a screen (110) configured to display an image with a screen brightness; and a processor (120) configured to divide the screen (110) into zones, to determine a zone brightness of each zone, e.g., via real time content analysis of the image displayed in the zone; and to reduce the screen brightness by a factor when the zone brightness of one of the zones is greater than a threshold. The threshold is associated with a maximum rated current drawn from a power supply (140) driving a zone, and each zone may be driven by a respective power supply (140). The processor (120) may also be configured to measure virtual zone brightness of virtual zones which are moved by a predetermined distance across the screen, and reduce the screen brightness by the factor when the virtual zone brightness of one of the virtual zones is greater than the threshold.

IPC 8 full level

G09G 3/20 (2006.01)

CPC (source: EP KR)

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Citation (search report)

See references of WO 2008142602A2

Cited by

CN104460940A; CN113851089A

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

Designated extension state (EPC)

AL BA MK RS

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WO 2008142602 A2 20081127; **WO 2008142602 A3 20090312**; CN 101681583 A 20100324; CN 101681583 B 20121212; EP 2153430 A2 20100217; JP 2010527043 A 20100805; KR 20100021459 A 20100224; TW 200912886 A 20090316

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