

Title (en)

DISPLAY SYSTEM HAVING CIRCADIAN EFFECT ON HUMANS

Title (de)

ANZEIGESYSTEM MIT CIRCADIANER WIRKUNG AUF DEN MENSCHEN

Title (fr)

SYSTÈME D'AFFICHAGE À ACTION CIRCADIENNE SUR L'ÊTRE HUMAIN

Publication

EP 2380161 A1 20111026 (DE)

Application

EP 09807707 A 20091223

Priority

- EP 2009009259 W 20091223
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Abstract (en)

[origin: WO2010072415A1] The present invention relates to a display system comprising an illumination unit, wherein a predetermined light spectrum can be generated with the illumination unit. The mean luminous intensity can thus be decreased or increased over the wave length range of 420 nm to 500 nm relative to the mean luminous intensity above and below said wave length range such that the predetermined light spectrum is more than a light spectrum generated without said decrease or increase.

IPC 8 full level

G09G 3/20 (2006.01); **G02F 1/13357** (2006.01); **H01L 27/32** (2006.01)

CPC (source: EP KR US)

G02F 1/1335 (2013.01 - KR); **G02F 1/133603** (2013.01 - EP US); **G09G 3/20** (2013.01 - KR); **G09G 3/2003** (2013.01 - EP US); **H10K 59/00** (2023.02 - KR); **G02F 1/133624** (2021.01 - EP US); **G09G 3/3208** (2013.01 - EP US); **G09G 3/3413** (2013.01 - EP US); **G09G 2300/0452** (2013.01 - EP US); **G09G 2320/0666** (2013.01 - EP US); **H10K 50/125** (2023.02 - EP US)

Citation (search report)

See references of WO 2010072415A1

Citation (examination)

- US 2006152525 A1 20060713 - WOOG KENNETH M [US]
- EP 1619648 A1 20060125 - SHARP KK [JP]

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US11257510B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 2009009259 W 20091223; CN 200980155544 A 20091223; DE 202009018852 U 20091223; EP 09807707 A 20091223; JP 2011542719 A 20091223; JP 2013006335 U 20131105; KR 20117017194 A 20091223; US 200913141924 A 20091223