

Title (en)
Intensity control for a illuminated display

Title (de)
Helligkeitssteuerung für eine beleuchtbare Anzeigevorrichtung

Title (fr)
Commande de luminosité pour un dispositif d'affichage éclairable

Publication
EP 1136977 A3 20020731 (DE)

Application
EP 00124889 A 20001115

Priority
DE 19956113 A 19991122

Abstract (en)
[origin: DE19956113A1] Illuminated display devices, such as those used in motor vehicles, need to be adapted to the environmental brightness levels, and include a sensor (3) for detecting the environmental brightness, where the display brightness is divided into three ranges, depending on the environmental brightness level. The display brightness for both the first and second ranges can be manually adjusted, and adjustment of the display brightness in the transitional range largely changes linearly with the environmental brightness. The display brightness in the transitional range is additionally dependent on the manually adjusted display brightness of the first and second ranges.

IPC 1-7
G09G 3/34; G09G 5/10

IPC 8 full level
G02F 1/133 (2006.01); **B60R 11/02** (2006.01); **G09G 3/20** (2006.01); **G09G 3/36** (2006.01); **G09G 5/00** (2006.01); **G09G 5/10** (2006.01)

CPC (source: EP)
G09G 5/003 (2013.01); **G09G 2320/0606** (2013.01); **G09G 2320/0626** (2013.01); **G09G 2320/08** (2013.01)

Citation (search report)

- [X] DE 4409777 A1 19950928 - VDO SCHINDLING [DE]
- [X] DE 4229084 A1 19940303 - GEMBRIS DANIEL [DE]
- [X] WO 9956273 A1 19991104 - JAPAN ENGINE VALVE MFG [JP], et al
- [A] WO 9922962 A1 19990514 - UT AUTOMOTIVE DEARBORN INC [US]
- [A] DE 4212361 A1 19930304 - PIONEER ELECTRONIC CORP [JP] & EP 0992969 A1 20000412 - NIPPON SEIKO KK [JP]

Cited by
DE10208826B4; EP1630778A1; US7755593B2; WO2016015587A1; WO2005085007A1

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

DOCDB simple family (publication)
DE 19956113 A1 20010523; EP 1136977 A2 20010926; EP 1136977 A3 20020731; JP 2001215945 A 20010810

DOCDB simple family (application)
DE 19956113 A 19991122; EP 00124889 A 20001115; JP 2000354683 A 20001121