

Title (en)
ELECTRONIC DEVICE COMPRISING A LIGHT GUIDE PROVIDED WITH AT LEAST TWO INTERLEAVED SEQUENTIALLY ILLUMINATED LIGHT EXTRACTOR GROUPS

Title (de)
ELEKTRONISCHE VORRICHTUNG MIT EINEM LICHTWELLENLEITER, DER MIT MINDESTENS ZWEI GRUPPEN VON FOLGERICHTIG BELEUCHTETEN OPTISCHEN AUSZIEHERN AUSGERÜSTET IST

Title (fr)
DISPOSITIF ELECTRONIQUE COMPORTANT UN GUIDE OPTIQUE MUNI D'EXTRACTEUR OPTIQUES ILLUMINES SEQUENTIELLEMENT

Publication
EP 1820071 A2 20070822 (FR)

Application
EP 05803063 A 20051111

Priority

- EP 2005055928 W 20051111
- EP 04028559 A 20041202
- EP 05803063 A 20051111

Abstract (en)
[origin: EP1666992A1] The timepiece has an optical device with a set of optical extractors provided in one of extended sides of an optical guide. Each extractor has preset geometric characteristics and a reflection surface (20). Light sources (8) are disposed with respect to a lateral surface (12) of the guide in a predefined direction for transmitting light inside the guide and cooperate with the surfaces to form a figurative image. The figurative image is defined directly with respect to the geometrical characteristics, by reflection of light in the reflection surfaces.

IPC 8 full level
G04G 9/00 (2006.01); **G04G 99/00** (2010.01); **G02B 6/00** (2006.01)

CPC (source: EP KR US)
G04B 19/30 (2013.01 - EP US); **G04B 45/0015** (2013.01 - EP US); **G04G 9/0041** (2013.01 - EP US); **G04G 99/00** (2013.01 - KR)

Citation (search report)
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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 NL PL PT RO SE SI SK TR

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EP 1666992 A1 20060607; AT E394713 T1 20080515; AT E394715 T1 20080515; AT E396435 T1 20080615; CN 100487605 C 20090513; CN 100487608 C 20090513; CN 101103317 A 20080109; CN 101103317 B 20110216; CN 101103319 A 20080109; CN 101103320 A 20080109; CN 101916065 A 20101215; CN 101916065 B 20120208; DE 602005006613 D1 20080619; DE 602005006614 D1 20080619; DE 602005007057 D1 20080703; EP 1820069 A2 20070822; EP 1820069 B1 20080521; EP 1820070 A2 20070822; EP 1820070 B1 20080507; EP 1820071 A2 20070822; EP 1820071 B1 20080507; ES 2307212 T3 20081116; ES 2307216 T3 20081116; ES 2307220 T3 20081116; HK 1113828 A1 20081017; HK 1113832 A1 20081017; HK 1113833 A1 20081017; HK 1151108 A1 20120120; IN 266781 B 20150601; JP 2008522173 A 20080626; JP 2008522174 A 20080626; JP 2008522175 A 20080626; JP 5004802 B2 20120822; KR 101152535 B1 20120601; KR 101157296 B1 20120615; KR 101174535 B1 20120820; KR 20070086403 A 20070827; KR 20070086404 A 20070827; KR 20070086405 A 20070827; TW 200625036 A 20060716; TW 200632602 A 20060916; TW 200632603 A 20060916; TW I368833 B 20120721; TW I369592 B 20120801; TW I380140 B 20121221; US 2009109650 A1 20090430; US 2009109651 A1 20090430; US 2009109801 A1 20090430; US 7839726 B2 20101123; US 7883255 B2 20110208; US 7883256 B2 20110208; WO 2006058834 A2 20060608; WO 2006058834 A3 20060824; WO 2006058835 A2 20060608; WO 2006058835 A3 20061228; WO 2006058836 A2 20060608; WO 2006058836 A3 20060824

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EP 04028559 A 20041202; AT 05803063 T 20051111; AT 05811148 T 20051111; AT 05816121 T 20051111; CN 200580046855 A 20051111; CN 200580046856 A 20051111; CN 200580046962 A 20051111; CN 201010233841 A 20051111; DE 602005006613 T 20051111; DE 602005006614 T 20051111; DE 602005007057 T 20051111; EP 05803063 A 20051111; EP 05811148 A 20051111; EP 05816121 A 20051111; EP 2005055928 W 20051111; EP 2005055929 W 20051111; EP 2005055930 W 20051111; ES 05803063 T 20051111; ES 05811148 T 20051111; ES 05816121 T 20051111; HK 08103087 A 20080318; HK 08103091 A 20080318; HK 08103092 A 20080318; HK 11105154 A 20110524; IN 2367CHN2007 A 20070601; JP 2007543820 A 20051111; JP 2007543821 A 20051111; JP 2007543822 A 20051111; KR 20077013836 A 20051111; KR 20077013837 A 20051111; KR 20077013839 A 20051111; TW 94140969 A 20051122; TW 94140970 A 20051122; TW 94140973 A 20051122; US 72079005 A 20051111; US 72079705 A 20051111; US 72080405 A 20051111