

Title (en)
Signalling device comprising LED-arrays

Title (de)
Signalgeber mit LED-Reihen

Title (fr)
Dispositif de signalisation avec rangées de diodes électroluminescentes

Publication
EP 1091167 A3 20060208 (DE)

Application
EP 00890305 A 20001009

Priority
AT 171799 A 19991008

Abstract (en)
[origin: EP1091167A2] The optical system consists of an arrangement of LEDs, spaced apart from a plate (4) comprising a number of Fresnel lenses (5) with a focal length (F). A lamellar grating is arranged directly in front of the plate. A smooth-surfaced front plate (8) is attached. At least two LEDs (2) are arranged behind each lens (5) in a horizontal row. The light beams (6) from the LEDs are aligned as parallel as possible and produce a divergent beam in the horizontal direction, with main beam directions (12a,12b,12c) corresponding to the LED row arrangement (2a,2b,2c).

IPC 8 full level
F21V 13/02 (2006.01); **F21S 8/00** (2006.01); **G08G 1/095** (2006.01); **F21W 111/00** (2006.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)
G08G 1/095 (2013.01 - EP US); **F21W 2111/02** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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- [Y] GB 2329011 A 19990310 - HOWELLS RAILWAY PRODUCTS LIMIT [GB]
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