

Title (en)

Signalling device for regulating traffic with a LED light source.

Title (de)

Signalisierungsvorrichtung mit einer LED-Lichtquelle für Verkehrsregelung.

Title (fr)

Dispositif de signalisation avec une source lumineuse DEL pour la regulation du trafic

Publication

**EP 1457945 A1 20040915 (EN)**

Application

**EP 04425030 A 20040121**

Priority

IT FI20030017 A 20030122

Abstract (en)

The signaling device comprises one or more light sources (39, 39) and a converging frontal projection lens (31), which produces a beam output from the signaling device. The light source(s) are formed of a matrix of light emitting diodes (39). Moreover, at least one optical concentration system (41) is provided, which concentrates the emission lobes (L) of the LEDs (39) in the focus of the frontal projection lens (31), wherein a field diaphragm (33) is disposed. <IMAGE>

IPC 1-7

**G08G 1/095**

IPC 8 full level

**B61L 5/18** (2006.01); **G08G 1/095** (2006.01)

CPC (source: EP)

**B61L 5/1827** (2013.01); **B61L 5/1845** (2013.01); **G08G 1/095** (2013.01); **B61L 2207/02** (2013.01)

Citation (search report)

- [XY] US 4425608 A 19840110 - HECKER GYULA [HU], et al
- [Y] GB 2329011 A 19990310 - HOWELLS RAILWAY PRODUCTS LIMIT [GB]
- [Y] US 6249375 B1 20010619 - SILHENGST FRANZ [AT], et al
- [A] DD 118334 A1 19760220
- [A] MARKOS PAPEGEORGIU: "CONCISE ENCYCLOPEDIA OF TRAFFIC & TRANSPORTATION SYSTEMS", 1991, PERGAMON PRESS, ISBN : 008036203, NETHERLANDS, XP002288103

Cited by

EP2030862A1; EP1538059A1; WO2013013944A3; EP2113712A1; DE102008022344A1; EP2113439A2; DE102008022346A1; EP2163455A2; DE102008047664A1

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