

Title (en)
Lighting or signalling device

Title (de)
Beleuchtungs- oder Signaleinrichtung

Title (fr)
Dispositif d'éclairage ou de signalisation

Publication
EP 1267116 A1 20021218 (FR)

Application
EP 02291426 A 20020607

Priority
FR 0107998 A 20010614

Abstract (en)
Luminous sources (10A,10B) supported on a crown (12) emit light which after passing through first optical systems (14) produces superimposed real images (11A,11B). The real images constitute a secondary light source (S) which is used with a secondary convex lens optical system (L) to produce a lighting or signalling beam. The beam may be easily modified as required by a Fresnel glass (G) or a mask

IPC 1-7
F21S 8/12

IPC 8 full level
G01D 7/00 (2006.01); **B60K 35/00** (2006.01); **B60Q 1/00** (2006.01); **F21S 8/10** (2006.01); **F21V 7/00** (2006.01); **F21V 13/04** (2006.01); **F21V 13/12** (2006.01); **G01D 11/28** (2006.01)

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Citation (applicant)
• US 5084804 A 19920128 - SCHAIRER WERNER [DE]
• WO 9748134 A1 19971218 - GENTEX CORP [US]
• EP 0158330 A2 19851016 - GTE PROD CORP [US]
• EP 0949449 A2 19991013 - STANLEY ELECTRIC CO LTD [JP]
• EP 1008801 A2 20000614 - STANLEY ELECTRIC CO LTD [JP]
• FR 2760067 A1 19980828 - VALEO VISION [FR]
• FR 2760068 A1 19980828 - VALEO VISION [FR]

Citation (search report)
• [XAY] CH 304170 A 19541231 - INVENTOR CREDIT ANSTALT [LI]
• [YA] FR 2052038 A5 19710409 - DUCCELLIER & CIE
• [DYA] FR 2760068 A1 19980828 - VALEO VISION [FR]
• [YA] US 5321586 A 19940614 - HEGE GUENTER [DE], et al

Cited by
EP1912018A1; EP1595168A4; EP1500869A1; EP2131098A1; FR2932245A1; EP1598593A3; EP2405187A1; EP2128521A1; FR2931745A1; EP2957825A1; US11035534B2; US8425097B2; WO2018215345A1

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