

Title (en)  
Laser-based railroad signal light

Title (de)  
Eisenbahnsignalleuchte auf Laserbasis

Title (fr)  
Feu de signalisation à Laser pour chemin de fer

Publication  
**EP 0899178 A1 19990303 (EN)**

Application  
**EP 98306410 A 19980811**

Priority  
US 91272797 A 19970818

Abstract (en)  
A railroad light signal fixture, either for railway/highway grade crossing application or right-of-way use, includes a housing (40 or 76), each having a signal light aperture (42). There is a lens structure (44,46 or 78,80) covering the aperture and there is a source of illumination within a housing opposite the lens structure. The source is provided using a laser (48,50,52,54,56 or 70) which provides for light within a specific colour spectrum as required for the specific application. <IMAGE>

IPC 1-7  
**B61L 5/18**

IPC 8 full level  
**B61L 5/18** (2006.01)

CPC (source: EP)  
**B61L 5/1827** (2013.01); **B61L 5/1836** (2013.01)

Citation (search report)  
• [XY] DE 2542220 A1 19770331 - SIEMENS AG  
• [Y] WO 9220125 A1 19921112 - UNIV SOUTHAMPTON [GB]  
• [YA] WO 8202082 A1 19820624 - OPTISK FORSKNING INST [SE], et al  
• [Y] US 5563588 A 19961008 - BELFER BRUCE D [US]

Cited by  
US6392553B1; WO2013160072A3

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

DOCDB simple family (publication)  
**EP 0899178 A1 19990303**; AU 7184798 A 19990225; CA 2243809 A1 19990218; HR P980428 A2 19990630; ZA 987324 B 19990216

DOCDB simple family (application)  
**EP 98306410 A 19980811**; AU 7184798 A 19980615; CA 2243809 A 19980723; HR P980428 A 19980804; ZA 987324 A 19980814