

Title (en)  
Halogen light unit

Title (de)  
Halogenleuchteneinheit

Title (fr)  
Dispositif d'éclairage à lampe halogène

Publication  
**EP 1083384 A1 20010314 (EN)**

Application  
**EP 99117836 A 19990910**

Priority  
EP 99117836 A 19990910

Abstract (en)  
The invention of this application relates to the ability to provide a halogen lamp unit, typically for use in an underwater environment such as a swimming pool, which provides the advantages of using halogen bulbs. In one aspect of the invention the halogen bulb unit can be provided of a similar shape to the conventional type of light unit currently used in swimming pools which is referred to as a Par lamp. The similar shape allows the halogen lamp units to be fitted in substitution of a Par lamp unit in the same mounting and to provide the required watertight seal between the halogen lamp unit and the original mounting thus overcoming the need to undertake expensive refitting of the same. The bulb unit for the halogen lamp unit is also a feature of the invention which allows the bulb to be replaced and the bulb unit can be fitted in the lamp unit without the need for the bulb to be electrically connected in situ at the time of fitting. <IMAGE>

IPC 1-7  
**F21V 19/00; F21S 8/02**

IPC 8 full level  
**F21S 8/00** (2006.01); **F21V 19/00** (2006.01)

CPC (source: EP)  
**F21S 8/00** (2013.01); **F21V 19/0005** (2013.01); **F21W 2131/401** (2013.01)

Citation (search report)  
• [A] US 5800041 A 19980901 - POGGI BRYAN [GB]  
• [A] DE 3232949 A1 19840308 - OASE PUMPEN [DE]  
• [A] EP 0188366 A2 19860723 - NOVETTA LTD [GB]  
• [XA] FR 2702890 A3 19940923 - VLM SPA [IT]  
• [A] US 5658074 A 19970819 - GURITZ MICHAEL LEE [US]  
• [A] US 4513356 A 19850423 - MIKOLA JAMES A [US]

Cited by  
US7244048B2; WO2004053387A1

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 1083384 A1 20010314**

DOCDB simple family (application)  
**EP 99117836 A 19990910**