

Title (en)

A transparent element for varying the light rays from an illuminating means.

Title (de)

Transparente Vorrichtung zur Veränderung des Lichtstrahls aus einer Lichtquelle.

Title (fr)

Élément transparent pour modifier les rayons lumineux issus d'une source lumineuse.

Publication

EP 0621440 A1 19941026 (EN)

Application

EP 93117832 A 19931103

Priority

DE 4313366 A 19930423

Abstract (en)

The invention relates to an element (1) made of transparent material for varying the light rays from an illuminating means (10), whereby light rays (B) hitting the element at an angle of more than 45 DEG from the optical axis of the element are deflected at least partly so as to be emitted by the element at an angle of less than 45 DEG (B'). <IMAGE>

IPC 1-7

F21V 5/04; **F21V 5/02**

IPC 8 full level

F21V 5/02 (2006.01)

CPC (source: EP US)

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Citation (search report)

- [X] FR 817059 A 19370825 - FORGES ATELIERS CONST ELECTR
- [X] EP 0380663 A1 19900808 - N PROIZV OB AVTOELEKTRONIKE I [SU]
- [X] US 5173810 A 19921222 - YAMAKAWA MASAMI [JP]
- [A] DE 1034116 B 19580717 - HENSOLDT & SOEHNE M, et al
- [A] US 4969074 A 19901106 - DAVIS AUGUST [US], et al
- [A] US 3711704 A 19730116 - SPITERI J

Cited by

FR2799269A1; WO2008089757A1

Designated contracting state (EPC)

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