

Title (en)

Headlamp device of the projection type for motor vehicles

Title (de)

Scheinwerferanordnung nach dem Projektionstyp für Kraftfahrzeuge

Title (fr)

Phare du type projecteur pour véhicules automobiles

Publication

**EP 0969246 B1 20070411 (DE)**

Application

**EP 99111394 A 19990611**

Priority

DE 19829343 A 19980701

Abstract (en)

[origin: EP0969246A2] The headlamp arrangement has one or more light sources, at least one reflector and a lens (1). The optically active, i.e. directly illuminated lens diameter is extended by an edge region (2a) that is not optically active or not directly illuminated by focus light. The edge region is in the form of an annular element applied or attached to the lens.

IPC 8 full level

**F21V 5/04** (2006.01); **F21S 8/12** (2006.01); **F21V 5/00** (2006.01); **F21V 17/00** (2006.01)

CPC (source: EP)

**F21S 41/255** (2017.12); **F21S 41/275** (2017.12); **F21S 41/295** (2017.12); **F21S 41/55** (2017.12)

Cited by

DE102006060141A1; DE102008038999A1; WO2008074304A1; US8251557B2; US8414170B2; US8517582B1

Designated contracting state (EPC)

AT DE ES FR GB IT PT SE

DOCDB simple family (publication)

**EP 0969246 A2 20000105**; **EP 0969246 A3 20011017**; **EP 0969246 B1 20070411**; AT E359482 T1 20070515; DE 19829343 A1 20000105; DE 59914287 D1 20070524

DOCDB simple family (application)

**EP 99111394 A 19990611**; AT 99111394 T 19990611; DE 19829343 A 19980701; DE 59914287 T 19990611