

Title (en)

Light guide member for multisegment displays

Title (de)

Lichtleiterbauteil für optische Mehrsegmentsanzeigen

Title (fr)

Guide de lumière pour dispositifs d' affichage à segments multiples

Publication

EP 1505560 A3 20051214 (DE)

Application

EP 04015509 A 20040701

Priority

DE 10333316 A 20030722

Abstract (en)

[origin: EP1505560A2] The light conducting component has a mask into which a light conductor (3) per segment is fed with a cross-section with the shape of the segment and that is manufactured using 2k injection molding technology. A continuous air gap (20) is formed between the mask and the light conductor. The dimension of the air gap is in the micrometer range. Independent claims are also included for the following: (a) an optical assembly with an inventive device (b) a domestic machine with an inventive optical assembly (c) and a method of manufacturing an inventive light conducting component.

IPC 1-7

G09F 9/33; **G09F 9/302**

IPC 8 full level

G09F 9/302 (2006.01); **G09F 9/33** (2006.01)

CPC (source: EP)

G09F 9/302 (2013.01); **G09F 9/3023** (2013.01); **G09F 9/33** (2013.01)

Citation (search report)

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- [YA] US 4058750 A 19771115 - SCHOBEL WERNER
- [AD] DE 10112640 C1 20021219 - DIEHL AKO STIFTUNG GMBH & CO [DE]

Cited by

US2013314642A1; CN104395949A; CN104508732A; CN106662702A; RU2676056C2; US8967834B2; WO2016008903A1; WO2013174705A1; WO2013174715A1; EP3170044B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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