

Title (en)

METHOD OF MANUFACTURING AN OPTICAL ELEMENT, OPTICAL ELEMENT AND DISPLAY DEVICE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES OPTISCHEN ELEMENTS, OPTISCHES ELEMENT UND ANZEIGEVORRICHTUNG

Title (fr)

PROCEDE DE FABRICATION D'UN ELEMENT OPTIQUE, ELEMENT OPTIQUE, ET DISPOSITIF D'AFFICHAGE

Publication

**EP 2726274 A1 20140507 (FR)**

Application

**EP 12738026 A 20120629**

Priority

- DE 102011106329 A 20110701
- FR 1102972 A 20110930
- EP 2012002748 W 20120629

Abstract (en)

[origin: WO2013004363A1] The invention relates to a method of manufacturing an optical element (1), notably an optical element for creating a retractable sheet for use in a motor vehicle, the optical element having in the final state a three-dimensional shape that is the result of a step of forming of the optical element, the optical element being designed to have an extended shape comprising: - a first main surface, - a second main surface, and - an edge surface of the optical element, the method of manufacturing the optical element involving the following steps: - during a first step of the method, the optical element is formed to give the optical element its final three-dimensional shape in terms of the first main surface, the second main surface and the edge surface of the optical element, - during a second step of the method, at least one of the surfaces of the optical element is cleaned, - during a third step of the method, a functional coating is applied to the first main surface and/or the second main surface.

IPC 8 full level

**B29D 11/00** (2006.01); **G02B 27/01** (2006.01)

CPC (source: EP US)

**B29C 43/146** (2013.01 - US); **B29C 45/0053** (2013.01 - US); **B29C 51/266** (2013.01 - US); **B29D 11/00865** (2013.01 - EP US);  
**B29D 11/00903** (2013.01 - EP); **G02B 27/01** (2013.01 - EP US); **G02B 27/0149** (2013.01 - US); **B29C 2045/0079** (2013.01 - US);  
**G02B 2027/0156** (2013.01 - US); **G02B 2027/0194** (2013.01 - US); **G02B 2027/0196** (2013.01 - US); **Y10T 428/24521** (2015.01 - EP US);  
**Y10T 428/31504** (2015.04 - EP US)

Citation (search report)

See references of WO 2013004363A1

Citation (examination)

US 2007152359 A1 20070705 - BURNETT WILLIAM R [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**FR 2977330 A1 20130104; FR 2977330 B1 20180202;** CN 103781620 A 20140507; EP 2726274 A1 20140507; JP 2014531606 A 20141127;  
JP 6063932 B2 20170118; US 2014268357 A1 20140918; US 9494795 B2 20161115; WO 2013004363 A1 20130110

DOCDB simple family (application)

**FR 1102972 A 20110930;** CN 201280032599 A 20120629; EP 12738026 A 20120629; EP 2012002748 W 20120629;  
JP 2014517509 A 20120629; US 201214130275 A 20120629