Title (en)

CONTACT LENS

Title (de)

KONTAKTLINSE

Title (fr)

LENTILLE DE CONTACT

Publication

EP 3427104 A4 20191120 (EN)

Application

EP 16893773 A 20160311

Priority

US 2016022199 W 20160311

Abstract (en)

[origin: WO2017155552A1] A contact lens constructed to limit the water transmissibility of at least one area of the lens while maintaining at least a minimum oxygen transmissibility. The water transmissibility maximum and oxygen permeability minimum are achieved by a predetermined lens thickness of a single lens material or by the use of two or more material layers.

IPC 8 full level

G02C 7/04 (2006.01); **G02B 1/04** (2006.01)

CPC (source: CN EP)

G02B 1/043 (2013.01 - EP); **G02C 7/04** (2013.01 - CN); **G02C 7/049** (2013.01 - CN EP)

Citation (search report)

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- [A] US 2008100796 A1 20080501 - PRUITT JOHN DALLAS [US], et al
- [A] WO 2014123956 A1 20140814 - MOMENTIVE PERFORMANCE MAT INC [US]
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- [AD] FORNASIERO F ET AL: "Steady-state diffusion of water through soft-contact-lens materials", BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 26, no. 28, 1 October 2005 (2005-10-01), pages 5704 - 5716, XP027767524, ISSN: 0142-9612, [retrieved on 20051001]
- See references of WO 2017155552A1

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)

WO 2017155552 A1 20170914; CN 109154724 A 20190104; CN 109154724 B 20201225; CN 112255823 A 20210122; CN 112255823 B 20220927; EP 3427104 A1 20190116; EP 3427104 A4 20191120; JP 2019515357 A 20190606; JP 6993361 B2 20220203

DOCDB simple family (application)

US 2016022199 W 20160311; CN 201680085533 A 20160311; CN 202011262244 A 20160311; EP 16893773 A 20160311; JP 2018567561 A 20160311