

Title (en)
VEHICULAR LAMP

Title (de)
FAHRZEUGLAMPE

Title (fr)
LAMPE DE VÉHICULE

Publication
EP 3324104 A4 20190220 (EN)

Application
EP 16824507 A 20160713

Priority
• JP 2015139973 A 20150713
• JP 2016070739 W 20160713

Abstract (en)
[origin: EP3324104A1] A vehicular lamp is provided with: a light source which comprises light-emitting chips on a substrate; a heatsink which comprises a base part; a lens which is positioned in front of the light source, and which comprises an attachment part on the perimeter of a lens part; and a lens holder by which the lens is attached to the heatsink, and which comprises an opening edge part that receives the attachment part, and a perimeter part that extends from the opening edge part towards the heatsink. A width of the lens part in the horizontal direction is the same as or less than the width of the substrate in the horizontal direction, and the width of the opening of the opening edge part in the horizontal direction is the same as or less than the width of the substrate in the horizontal direction.

IPC 8 full level
F21V 23/06 (2006.01); **F21S 41/143** (2018.01); **F21S 41/151** (2018.01); **F21S 41/19** (2018.01); **F21S 41/25** (2018.01); **F21S 41/255** (2018.01); **F21S 41/29** (2018.01); **F21S 45/10** (2018.01); **F21S 45/435** (2018.01); **F21V 29/76** (2015.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)
F21S 41/143 (2018.01 - EP US); **F21S 41/151** (2018.01 - EP US); **F21S 41/192** (2018.01 - EP); **F21S 41/25** (2018.01 - EP); **F21S 41/285** (2018.01 - EP); **F21S 41/295** (2018.01 - EP); **F21S 45/10** (2018.01 - EP); **F21S 45/435** (2018.01 - EP US)

Citation (search report)
• [XII] WO 2014124477 A1 20140821 - ZIZALA LICHTSYSTEME GMBH [AT]
• [XII] US 9033563 B1 20150519 - HSU CHEN-WEI [TW]
• [Y] EP 2693106 A2 20140205 - AUTOMOTIVE LIGHTING REUTLINGEN [DE]
• [Y] WO 2015005377 A1 20150115 - KOITO MFG CO LTD [JP]
• [A] JP 2013161577 A 20130819 - KOITO MFG CO LTD
• [A] JP H0525604 U 19930402
• [A] JP 2012033413 A 20120216 - STANLEY ELECTRIC CO LTD
• [A] US 2009303726 A1 20091210 - BORGSCHULTE HUBERT [DE], et al
• [A] JP 2014127299 A 20140707 - ICHIKOH INDUSTRIES LTD
• [A] US 2010110660 A1 20100506 - BRUKILACCHIO THOMAS JOHN [US]
• See also references of WO 2017010527A1

Cited by
CN112432130A; US2020200353A1; US10935205B2; WO2020126745A1

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)
EP 3324104 A1 20180523; EP 3324104 A4 20190220; JP 2017022032 A 20170126; JP 6648430 B2 20200214; WO 2017010527 A1 20170119

DOCDB simple family (application)
EP 16824507 A 20160713; JP 2015139973 A 20150713; JP 2016070739 W 20160713