

Title (en)
VEHICLE HEADLIGHT AND COOLING SYSTEM

Title (de)
FAHRZEUGSCHEINWERFER UND KÜHLSYSTEM

Title (fr)
PHARES DE VÉHICULE ET SYSTÈME DE REFROIDISSEMENT

Publication
EP 3382268 B1 20210901 (DE)

Application
EP 18161148 A 20180312

Priority
AT 502452017 A 20170328

Abstract (en)
[origin: CN108662548A] The invention relates to a vehicle headlight (100), comprising a headlight housing (101), at least one light source (102), at least one projection optical system (104), at least one cooling channel (107) and a cooling medium. The at least one light source (102) is set up to emit light in the form of a light beam (105) in the direction of the at least one projection optics (104) and to form a lightimage on the road in front of the vehicle. The at least one light source (102) and the at least one projection optics (104) are located within the headlight housing (101). The at least one cooling channel (107) is thermally conductively connected to at least one heat source and the at least one cooling channel (107) is arranged to cool the heat source when the cooling medium flows through it. The at least one cooling passage (107) comprises at least one releasable connection coupling (108, 109) which is inserted into the cooling passage (107).

IPC 8 full level
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CPC (source: CN EP)
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Citation (examination)
• US 2005236144 A1 20051027 - TAKEUCHI KATSUYUKI [JP]
• EP 2644989 A1 20131002 - MASS TECHNOLOGY HK LTD [CN]

Cited by
EP3546822A1; DE102018107678A1; WO2021037814A1

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