

Title (en)

HEAT SINK HAVING VARIABLE THERMAL RESISTANCE

Title (de)

KÜHLKÖRPER MIT VARIABLEM THERMISCHEN WIDERSTAND

Title (fr)

DISSIPATEUR THERMIQUE À RÉSISTANCE THERMIQUE VARIABLE

Publication

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Application

EP 17794213 A 20171025

Priority

- AT 510432016 A 20161117
- AT 2017060287 W 20171025

Abstract (en)

[origin: WO2018090067A1] The invention relates to a motor vehicle headlight (100), comprising a headlight housing (102) and a cover plate (103) having at least one light source (104, 105) arranged in said motor vehicle headlight (100). In order to cool the at least one light source (104, 105), a heat sink device (200) is provided. Said heat sink device (200) comprises two heat sink elements (106, 107, 201, 202, 501, 502, 601, 602, 701, 702, 801, 802, 901, 902, 1001, 1002) that are separated from one another by an air gap (209) and that are arranged in such a way that a first heat sink element (106, 201, 501, 601, 701, 801, 901, 1001) is mounted inside the motor vehicle headlight (100), and a second heat sink element (107, 202, 502, 602, 702, 802, 902, 1002) is mounted outside the motor vehicle headlight (100). The heat sink device (200) is provided with a contacting device (210) that allows a heat exchange between the heat sink elements (106, 107, 201, 202, 501, 502, 601, 602, 701, 702, 801, 802, 901, 902, 1001, 1002) via said contacting device (210), whenever the temperature inside the motor vehicle headlight (100) is higher than the temperature in the area outside the motor vehicle headlight (100), and no heat exchange between the heat sink elements (106, 107, 201, 202, 501, 502, 601, 602, 701, 702, 801, 802, 901, 902, 1001, 1002) is possible whenever the temperature inside the motor vehicle headlight (100) is lower than the temperature in the area outside the motor vehicle headlight (100).

IPC 8 full level

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CPC (source: AT EP KR US)

F21S 41/148 (2017.12 - KR); **F21S 41/28** (2017.12 - US); **F21S 41/657** (2017.12 - KR); **F21S 45/48** (2017.12 - EP KR US); **F28F 13/00** (2013.01 - EP KR); **F21S 41/148** (2017.12 - EP US); **F21S 41/657** (2017.12 - EP); **F28F 13/00** (2013.01 - AT); **F28F 2013/008** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2018090067A1

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Designated extension state (EPC)

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