

Title (en)

ALTERNATOR IN CONNECTION WITH A REMOTELY-COOLED RECTIFIER

Title (de)

LICHTMASCHINE IN VERBINDUNG MIT FREMDGEKÜHLTEM GLEICHRICHTER

Title (fr)

ALTERNATEUR ASSOCIE A UN REDRESSEUR REFROIDI PAR VENTILATION FORCEE

Publication

**EP 1573885 A1 20050914 (DE)**

Application

**EP 03773644 A 20031015**

Priority

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- EP 0311401 W 20031015

Abstract (en)

[origin: WO2004042899A1] The invention relates to a rectifier (2), provided for an alternator on an internal combustion engine, with two cooling bodies (4.1, 4.2) housing several diodes (3.1, 3.2) each. The cooling bodies (4.1, 4.2) of the rectifier (2) are physically separate from the alternating current generator and, with regard to the direction of flow of the cooling air, are arranged either before or after a fan (6) embodied as a cooling fan. The regulator (2.1) for the rectifier (2) is also arranged physically separately, between the rectifier housing (7) and the alternating current generator.

IPC 1-7

**H02K 11/04**

IPC 8 full level

**H01L 25/11** (2006.01); **H02K 11/04** (2006.01); **F01P 1/06** (2006.01); **F01P 5/02** (2006.01)

CPC (source: EP US)

**H01L 25/115** (2013.01 - EP US); **H02K 11/05** (2016.01 - EP US); **F01P 1/06** (2013.01 - EP US); **F01P 5/02** (2013.01 - EP US); **F01P 2050/30** (2013.01 - EP US); **F01P 2060/185** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

C-Set (source: EP US)

**H01L 2924/0002 + H01L 2924/00**

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