

Title (en)

COOLING UNIT FOR MOTOR VEHICLE FRONT END

Title (de)

KÜHLEINHEIT FÜR FRONTPARTIE EINES MOTORFAHRZEUGS

Title (fr)

UNITE DE REFROIDISSEMENT POUR FACE AVANT DE VEHICULE AUTOMOBILE

Publication

**EP 3592595 A1 20200115 (FR)**

Application

**EP 18713715 A 20180302**

Priority

- FR 1751785 A 20170306
- FR 2018050488 W 20180302

Abstract (en)

[origin: WO2018162826A1] The subject of the invention is a cooling unit for a motor vehicle front end, the unit (1) comprising a housing (2) and at least one heat exchanger encapsulated in the housing (2), the housing (2), comprising: – a frame (3) accommodating an air inlet regulating device (4) provided with at least one mobile flap, referred to as the front frame, – a hood (5), referred to as the rear hood, the said frame and the said hood being fixed to one another removably, the housing (2) delimiting a closed volume (V) and being configured modularly so as to allow the said at least one exchanger to be fitted into and removed from the housing in a longitudinal direction (X) and/or in a transverse direction (Y) and/or in a vertical direction (Z).

IPC 8 full level

**B60K 11/04** (2006.01); **B60K 11/08** (2006.01)

CPC (source: EP)

**B60K 11/04** (2013.01); **B60K 11/085** (2013.01); **Y02T 10/88** (2013.01)

Citation (search report)

See references of WO 2018162826A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3063456 A1 20180907**; **FR 3063456 B1 20190322**; CN 211592230 U 20200929; EP 3592595 A1 20200115; WO 2018162826 A1 20180913

DOCDB simple family (application)

**FR 1751785 A 20170306**; CN 201890000575 U 20180302; EP 18713715 A 20180302; FR 2018050488 W 20180302