

Title (en)

Device for cooling components, in particular for a rail vehicle

Title (de)

Vorrichtung zum Kühlen von Komponenten, insbesondere für ein Schienenfahrzeug

Title (fr)

Dispositif de refroidissement de composants, notamment pour un véhicule ferroviaire

Publication

**EP 2889199 B1 20190501 (FR)**

Application

**EP 14195581 A 20141201**

Priority

FR 1362269 A 20131206

Abstract (en)

[origin: US2015158504A1] The cooling device (12) according to the disclosure includes a case (20), designed to be arranged on a roof (16) of the vehicle, said case (20) comprising two side walls (22) and one upper wall (24) together delimiting a housing for each component. Each housing forms an air guiding duct in which the corresponding component is housed, said duct extending between at least one side air inlet opening (32) arranged in one of the side walls (22) and one upper air outlet opening (34), arranged in the upper wall (24).

IPC 8 full level

**B61C 17/04** (2006.01)

CPC (source: EP RU US)

**B61C 17/04** (2013.01 - EP RU US); **B61D 17/00** (2013.01 - RU); **B61D 27/00** (2013.01 - RU); **B61D 27/009** (2013.01 - US)

Cited by

CN112078615A; EP4052985A1; FR3120342A1

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 2889199 A1 20150701**; **EP 2889199 B1 20190501**; BR 102014030513 A2 20160719; BR 102014030513 B1 20220823; ES 2739078 T3 20200128; FR 3014396 A1 20150612; FR 3014396 B1 20170428; PL 2889199 T3 20191031; RU 2014149207 A 20160627; RU 2014149207 A3 20180813; RU 2680237 C2 20190218; US 10435041 B2 20191008; US 2015158504 A1 20150611

DOCDB simple family (application)

**EP 14195581 A 20141201**; BR 102014030513 A 20141205; ES 14195581 T 20141201; FR 1362269 A 20131206; PL 14195581 T 20141201; RU 2014149207 A 20141205; US 201414559718 A 20141203