

Title (en)  
ARRANGEMENT OF AN INTERCOOLER IN AN INTAKE PIPE

Title (de)  
ANORDNUNG EINES LADELUFTKÜHLERS IN EINEM ANSAUGROHR

Title (fr)  
ENSEMBLE D'UN ÉCHANGEUR INTERMÉDIAIRE DANS UN TUYAU D'ASPIRATION

Publication  
**EP 2847445 A1 20150318 (DE)**

Application  
**EP 13714956 A 20130410**

Priority

- DE 102012206106 A 20120413
- EP 2013057509 W 20130410

Abstract (en)  
[origin: WO2013153127A1] Arrangement of an intercooler (4) in an intake pipe (5), wherein the intercooler (4) has a cooler block (15) through which charge air can flow and which can be inserted into the intake pipe through a first opening (11) of the intake pipe, wherein the cooler block (15) has at least one first outer wall (7) and at least one second outer wall (7) which run along the main expansion direction of the cooler block (15) and delimit the region of the cooler block (15) through which a flow can take place, wherein the intake pipe (5) surrounds the insertable part of the intercooler (4) on three sides such that a flow can take place through the cooler block (15) of the intercooler (4) within the intake pipe (5), wherein the intake pipe (5) has a first inner surface (9) and a second inner surface (9) which each run along one of the outer walls (7) of the cooler block (15), characterised in that the first inner surface (9) and/or the second inner surface (9) each have a first projection (6) on which the first outer wall (7) and/or the second outer wall (7) of the cooler block (15) can be supported.

IPC 8 full level  
**F02B 29/04** (2006.01)

CPC (source: EP US)  
**F02B 29/045** (2013.01 - US); **F02B 29/0462** (2013.01 - EP US); **F02B 29/0475** (2013.01 - EP US); **F02M 35/10268** (2013.01 - EP US); **F02M 35/104** (2013.01 - EP US); **F28D 7/1692** (2013.01 - EP US); **F28D 2021/0082** (2013.01 - EP US); **F28F 2240/00** (2013.01 - EP US); **F28F 2280/02** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013153127A1

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)  
**DE 102012206106 A1 20131017**; CN 204677282 U 20150930; EP 2847445 A1 20150318; KR 20140146196 A 20141224; US 2015083091 A1 20150326; WO 2013153127 A1 20131017

DOCDB simple family (application)  
**DE 102012206106 A 20120413**; CN 201390000398 U 20130410; EP 13714956 A 20130410; EP 2013057509 W 20130410; KR 20147031909 A 20130410; US 201314394294 A 20130410