

Title (en)

CAR PROVIDER WITH A SUPERCHARGED INTERNAL COMBUSTION ENGINE PROVIDED WITH INTERCOOLER

Title (de)

AUTO-PROVIDER MIT AUFGEADENEM VERBRENNUNGSMOTOR MIT LADELFTKÜHLER

Title (fr)

FOURNISSEUR DE VÉHICULE AVEC UN MOTEUR À COMBUSTION INTERNE SURALIMENTÉ ÉQUIPÉ D'UN REFROIDISSEUR INTERMÉDIAIRE

Publication

EP 4328430 A1 20240228 (EN)

Application

EP 23192419 A 20230821

Priority

IT 202200017595 A 20220825

Abstract (en)

A car (1) comprising: two front wheels (2) ; two rear drive wheels (4); a supercharged internal combustion engine (5) that is provided with a plurality of cylinders (18), where respective pistons (19) slide on the inside, and a drive shaft (20) connected to the pistons (19), and is longitudinally arranged in a central or rear position; at least one compressor (49) that is arranged along an intake duct (34, 38) and is configured to compress air to be sucked up by the supercharged internal combustion engine (5); a first intercooler (39) that is arranged along the intake duct (34, 38) downstream of the compressor (49); and a second intercooler (40) that is arranged along the intake duct (34, 38) downstream of the first intercooler (39) and, hence, is connected in series to the first intercooler (39).

IPC 8 full level

F02B 29/04 (2006.01); **F02B 37/007** (2006.01)

CPC (source: EP)

F02B 29/0412 (2013.01); **F02B 29/0425** (2013.01); **F02B 37/007** (2013.01); **F02B 2275/30** (2013.01)

Citation (applicant)

- US 2015184580 A1 20150702 - ROOZENBOOM STEPHAN D [US], et al
- US 7490462 B2 20090217 - ROOZENBOOM STEPHAN DONALD [US], et al

Citation (search report)

- [Y] US 2015184580 A1 20150702 - ROOZENBOOM STEPHAN D [US], et al
- [Y] US 7490462 B2 20090217 - ROOZENBOOM STEPHAN DONALD [US], et al
- [Y] DE 102010009874 A1 20110825 - PORSCHE AG [DE]
- [Y] US 11041456 B2 20210622 - DALMAS II ELARIO DINO [US], et al
- [A] US 2012118658 A1 20120517 - SABATINI DANIELE [IT]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4328430 A1 20240228

DOCDB simple family (application)

EP 23192419 A 20230821