

Title (en)
TURBOCHARGER FOR COMBUSTION ENGINE WITH FRESH GAS SUPPLY DEVICE AND ASSEMBLY INCLUDING SUCH A DEVICE

Title (de)
ABGASTURBOLADER FÜR EINE VERBRENNUNGSKRAFTMASCHINE MIT EINER FRISCHGASVERSORGUNGSVORRICHTUNG UND EINE ENTSPRECHENDE ANORDNUNG

Title (fr)
TURBOCOMPRESSEUR POUR UN MOTEUR À COMBUSTION INTERNE AVEC DISPOSITIF D'ALIMENTATION EN GAZ FRAIS ET ENSEMBLE D'UN TEL DISPOSITIF

Publication
EP 2516823 A1 20121031 (DE)

Application
EP 10798756 A 20101215

Priority
• DE 102009060181 A 20091223
• EP 2010069824 W 20101215

Abstract (en)
[origin: WO2011076641A1] The invention relates to an exhaust gas turbocharger (10) for an internal combustion machine (1), in particular a diesel engine, having an unburnt mixture supply device (4), comprising at least one compressor (11); at least one exhaust gas turbine (12); a turbocharger shaft (13) by means of which the at least one compressor (11) and the at least one exhaust gas turbine (12) are rotationally fixedly coupled; and an energy store (14) for increasing a mass moment of inertia, wherein the energy store (14) is rotationally fixed coupled to the at least one compressor (11) and the at least one exhaust gas turbine (12) by means of the turbocharger shaft (13). An arrangement for supplying unburnt gas to an internal combustion machine (1) comprises such an exhaust gas turbocharger (10) and an unburnt gas supply device.

IPC 8 full level
F02B 37/10 (2006.01); **F02B 37/14** (2006.01)

CPC (source: EP KR US)
F02B 37/10 (2013.01 - EP KR US); **F02B 37/14** (2013.01 - EP KR US); **F02B 39/00** (2013.01 - KR); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2011076641A1

Cited by
CN106812615A

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)
WO 2011076641 A1 20110630; CA 2785119 A1 20110630; CN 102667097 A 20120912; DE 102009060181 A1 20110630; EP 2516823 A1 20121031; JP 2013515892 A 20130509; KR 20120113759 A 20121015; MX 2012007386 A 20120723; US 2012317976 A1 20121220; US 9238997 B2 20160119

DOCDB simple family (application)
EP 2010069824 W 20101215; CA 2785119 A 20101215; CN 201080059319 A 20101215; DE 102009060181 A 20091223; EP 10798756 A 20101215; JP 2012545237 A 20101215; KR 20127019153 A 20101215; MX 2012007386 A 20101215; US 201213532433 A 20120625