

Title (en)

CONTROL CYLINDER FOR AN ENGINE BRAKE HAVING MEANS FOR GENERATING A SPRING-BACK

Title (de)

STEUERZYLINDER FÜR EINE MOTORBREMSE MIT MITTELN ZUR ERZEUGUNG EINER RÜCKFEDERUNG

Title (fr)

CYLINDRE DE COMMANDE POUR UN FREIN DE MOTEUR COMPRENANT DES MOYENS POUR GÉNÉRER UN RETOUR ÉLASTIQUE

Publication

EP 2721274 A1 20140423 (DE)

Applicaton

EP 12728255 A 20120615

Priority

- DE 102011106629 A 20110617
- EP 2012061456 W 20120615

Abstract (en)

[origin: WO2012172056A1] The invention relates to a control cylinder (12) for an engine brake for providing a deceleration function by throttling the exhaust-gas flow at the outlet side of a turbocharger (2) of a vehicle engine (1), comprising a cylindrical housing (13) for accommodating a piston (14) with a piston rod (15), which piston serves for dividing the housing (13) into a spring chamber (16) for accommodating a restoring spring (17) for the piston rod (21) and a pressure chamber (18) for the generation of an actuating force by the piston (14) under the action of compressed air, wherein the piston (14) interacts with means for generating a spring-back, wherein the means for generating the spring-back are formed within the cylindrical housing (13) as elastic spacers between the piston (14) and piston rod (15).

IPC 8 full level

F02D 9/06 (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP)

F02D 9/06 (2013.01); **F15B 15/1447** (2013.01); **F15B 15/148** (2013.01); **F15B 15/226** (2013.01)

Citation (search report)

See references of WO 2012172056A1

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)

DE 102011106629 A1 20121220; BR 112013032371 B1 20210420; CN 103620189 A 20140305; CN 103620189 B 20160330; EP 2721274 A1 20140423; EP 2721274 B1 20180502; RU 2014101356 A 20150727; RU 2597738 C2 20160920; WO 2012172056 A1 20121220

DOCDB simple family (application)

DE 102011106629 A 20110617; BR 112013032371 A 20120615; CN 201280029680 A 20120615; EP 12728255 A 20120615; EP 2012061456 W 20120615; RU 2014101356 A 20120615