

Title (en)
HYDRAULIC LASH ADJUSTER

Title (de)
HYDRAULISCHER SPIELAUSGLEICHELEMENT

Title (fr)
RÉGULATEUR HYDRAULIQUE DE JEU

Publication
EP 2839126 A1 20150225 (EN)

Application
EP 13717288 A 20130419

Priority
• EP 12164705 A 20120419
• EP 2013058210 W 20130419
• EP 13717288 A 20130419

Abstract (en)
[origin: EP2653674A1] A hydraulic lash adjuster is provided with a pressure relief valve operable to release oil from the lash adjuster's oil chamber to enable the hydraulic lash adjuster to be able to retract when required.

IPC 8 full level
F01L 13/06 (2006.01); **F01L 1/08** (2006.01); **F01L 1/18** (2006.01); **F01L 1/24** (2006.01); **F01L 1/25** (2006.01); **F01L 1/26** (2006.01)

CPC (source: CN EP)
F01L 1/08 (2013.01 - CN EP); **F01L 1/181** (2013.01 - CN EP); **F01L 1/2422** (2013.01 - CN EP); **F01L 1/252** (2013.01 - CN EP);
F01L 1/26 (2013.01 - CN EP); **F01L 13/06** (2013.01 - CN EP); **F01L 2001/2427** (2013.01 - CN EP)

Citation (search report)
See references of WO 2013156612A1

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)
EP 2653674 A1 20131023; BR 112014026127 A2 20170627; CN 104395568 A 20150304; CN 104395568 B 20180206;
CN 108049929 A 20180518; CN 108049929 B 20200807; EP 2839126 A1 20150225; EP 2839126 B1 20160921; EP 3112625 A1 20170104;
EP 3112625 B1 20200101; IN 8860DEN2014 A 20150522; WO 2013156612 A1 20131024

DOCDB simple family (application)
EP 12164705 A 20120419; BR 112014026127 A 20130419; CN 201380032209 A 20130419; CN 201810020692 A 20130419;
EP 13717288 A 20130419; EP 16183788 A 20130419; EP 2013058210 W 20130419; IN 8860DEN2014 A 20141022