

Title (en)  
HYDRAULIC HAMMER DEVICE FOR EXCAVATORS

Title (de)  
HYDRAULIKHAMMERVORRICHTUNG FÜR BAGGER

Title (fr)  
DISPOSITIF À PERCUSSION HYDRAULIQUE POUR MACHINES EXCAVATRICES

Publication  
**EP 2910689 A4 20160720 (EN)**

Application  
**EP 13843264 A 20130930**

Priority  
• ES 201231011 U 20121003  
• ES 201231013 U 20121003  
• ES 2013070672 W 20130930

Abstract (en)  
[origin: EP2910689A1] A hydraulic hammer device for excavators comprising at least one ripper (1) and an energy accumulator (4); where the energy accumulator (4) is located on the longitudinal shaft of the ripper (1) and integrally connected to said ripper (1); and where said shaft is on that which attacks the ground between the retracted and deployed positions of the ripper (1) and which is characterized in that it comprises a cylinder (2) or two cylinders (2,3) integrally connected to the ripper (1) inside same.

IPC 8 full level  
**E02F 3/96** (2006.01); **E02F 5/32** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP US)  
**E02F 3/966** (2013.01 - EP US); **E02F 5/323** (2013.01 - US); **E02F 9/2217** (2013.01 - EP US)

Citation (search report)  
• [XAI] WO 2005087445 A1 20050922 - ATLAS COPCO CONSTR TOOLS AB [SE], et al  
• [XAI] EP 2455550 A1 20120523 - ARACAMA MARTINEZ DE LAHIDALGA JAVIER [ES]  
• See references of WO 2014053686A1

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)  
**EP 2910689 A1 20150826; EP 2910689 A4 20160720**; AU 2013326422 A1 20150507; BR 112015006987 A2 20170704;  
CA 2887378 A1 20140410; CL 2015000786 A1 20150821; CN 104781475 A 20150715; CR 20150173 U 20150525; EA 201590668 A1 20150831;  
EC SMU15017016 U 20151231; GT 201500079 A 20161116; HK 1211639 A1 20160527; IL 237913 A0 20150531; JP 2015532370 A 20151109;  
KR 20150063412 A 20150609; MX 2015003480 A 20150622; NI 201500044 U 20150529; PE 20150588 A1 20150426;  
PH 12015500668 A1 20150518; SG 11201502383Y A 20150528; TN 2015000116 A1 20160629; US 2015275474 A1 20151001;  
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CL 2015000786 A 20150330; CN 201380051872 A 20130930; CR 20150173 U 20150326; EA 201590668 A 20130930;  
EC PI201517016 U 20150429; ES 2013070672 W 20130930; GT 201500079 A 20150327; HK 15112363 A 20151216; IL 23791315 A 20150323;  
JP 2015535070 A 20130930; KR 20157008807 A 20130930; MX 2015003480 A 20130930; NI 201500044 U 20150326;  
PE 2015000375 A 20130930; PH 12015500668 A 20150325; SG 11201502383Y A 20130930; TN 2015000116 A 20150326;  
US 201314433343 A 20130930; ZA 201502982 A 20150430