

Title (en)
SYSTEM AND METHOD FOR COUPLING AN OVERPRESSURE WAVE TO A TARGET MEDIA

Title (de)
SYSTEM UND VERFAHREN ZUM ANKOPPELN EINER ÜBERDRUCKWELLE AN EIN ZIELMEDIUM

Title (fr)
SYSTÈME ET PROCÉDÉ D'ACCOUPLEMENT D'UNE ONDE DE SURPRESSION À UN MILIEU CIBLE

Publication
EP 3102967 A1 20161214 (EN)

Application
EP 14881553 A 20140502

Priority
• US 201414176068 A 20140208
• US 2014036667 W 20140502

Abstract (en)
[origin: WO2015119647A1] An improved seismic exploration system and method involves an overpressure wave generator for generating an overpressure wave and a coupling component for converting a pressure of said generated overpressure wave into a force that produces a conducted acoustic wave in a target media. The coupling component includes a coupling chamber, a push plate assembly including a top plate, piston rod, and an earth plate, a movement constraining vessel including a stabilizing component for constraining movement of the push plate assembly and a sealing component for substantially sealing the coupling component, and a stop component for preventing the movement constraining vessel from striking the earth plate.

IPC 8 full level
G01V 1/06 (2006.01)

CPC (source: EP)
G01V 1/104 (2013.01)

Citation (search report)
See references of WO 2015119647A1

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)
WO 2015119647 A1 20150813; CN 105122086 A 20151202; EP 3102967 A1 20161214; RU 2015142994 A 20170420;
SA 515361294 B1 20180419

DOCDB simple family (application)
US 2014036667 W 20140502; CN 201480020979 A 20140502; EP 14881553 A 20140502; RU 2015142994 A 20140502;
SA 515361294 A 20151013