

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

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CPC (source: EP)

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Citation (search report)

See references of WO 2015119647A1

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

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