

Title (en)

ISOLATION DEVICE CONTAINING A DISSOLVABLE ANODE AND ELECTROLYTIC COMPOUND

Title (de)

ISOLIERVORRICHTUNG MIT LÖSLICHER ANODE UND ELEKTROLYTISCHER VERBINDUNG

Title (fr)

DISPOSITIF D'ISOLEMENT CONTENANT UNE ANODE DISSOLUBLE ET UN COMPOSÉ ÉLECTROLYTIQUE

Publication

EP 3052745 A4 20170524 (EN)

Application

EP 14878579 A 20141203

Priority

- US 201414154596 A 20140114
- US 2014068372 W 20141203

Abstract (en)

[origin: WO2015108627A1] A wellbore isolation device comprising: a first material, wherein the first material: (A) is a metal or a metal alloy; and (B) partially dissolves when an electrically conductive path exists between the first material and a second material and at least a portion of the first and second materials are in contact with an electrolyte; and an electrolytic compound, wherein the electrolytic compound dissolves in a fluid located within the wellbore to form free ions that are electrically conductive. A method of removing the wellbore isolation device comprises: placing the wellbore isolation device into the wellbore; and allowing at least a portion of the first material to dissolve.

IPC 8 full level

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CPC (source: EP MX)

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Citation (search report)

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- [I] US 2013333899 A1 20131219 - XU YINGQING [US], et al
- [I] US 2009025940 A1 20090129 - RYTLEWSKI GARY [US]
- See references of WO 2015108627A1

Designated contracting state (EPC)

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DOCDB simple family (application)

US 2014068372 W 20141203; AR P150100049 A 20150108; AU 2014377594 A 20141203; AU 2017200304 A 20170117; CA 2927400 A 20141203; DK 14878579 T 20141203; EP 14878579 A 20141203; MX 2016005498 A 20141203