

Title (en)
IN-SITU EVAPORATION

Title (de)
IN-SITU VERDAMPFUNG

Title (fr)
VAPORISATION IN SITU

Publication
EP 1412615 A1 20040428 (DE)

Application
EP 02754444 A 20020726

Priority
• DE 0202744 W 20020726
• DE 10137622 A 20010803
• DE 10159311 A 20011204

Abstract (en)
[origin: WO03014522A1] The invention relates to methods for the exploitation of desirable geo-productive resources (for example, superheated steam, crude oil, fissuring) from boreholes with an at least partly cemented casing (4), whereby a pressure drop is generated from the rock chamber (5), surrounding the lower borehole chamber (3) to the above, which renders the geo-productive resource exploitable. According to the invention, the resource may be rendered more exploitable, whereby a pressure seal (70, 72, 74, 80) is fitted for a pressure separation between the lower borehole chamber (3) and the flow chamber (1, 14), above the pressure seal (70, 72, 74, 80) within the casing (4), a working pressure (preferably atmospheric pressure) is introduced into at least part of the flow chamber (1, 14) and the working pressure is introduced into the lower borehole chamber (3) and/or into the rock chamber surrounding the above. A vertically-displaceable valve tube (68) is preferably used as lower end section of the production pipe (7).

IPC 1-7
E21B 43/16; **E21B 43/18**; **E21B 43/26**

IPC 8 full level
E21B 43/16 (2006.01); **E21B 43/18** (2006.01); **E21B 43/26** (2006.01)

CPC (source: EP US)
E21B 43/16 (2013.01 - EP US); **E21B 43/18** (2013.01 - EP US); **E21B 43/261** (2013.01 - EP US); **E21B 43/2605** (2020.05 - EP US)

Citation (search report)
See references of WO 03014522A1

Designated contracting state (EPC)
DE IT TR

DOCDB simple family (publication)
WO 03014522 A1 20030220; **WO 03014522 A9 20030327**; EP 1412615 A1 20040428; EP 1412615 B1 20050112; US 2004244990 A1 20041209; US 7117946 B2 20061010

DOCDB simple family (application)
DE 0202744 W 20020726; EP 02754444 A 20020726; US 48584404 A 20040203