

Title (en)

Apparatus and method for oil sand exploitation

Title (de)

Vorrichtung und Verfahren zur Gewinnung von Öl aus Ölsand

Title (fr)

Appareil et procédé pour l'exploitation de sable pétrolifère

Publication

EP 2612983 B1 20140521 (EN)

Application

EP 12150055 A 20120103

Priority

EP 12150055 A 20120103

Abstract (en)

[origin: EP2612983A1] Oil sand exploitation is enhanced, by using a downhole apparatus comprising a casing (130) for housing a water conduit for receiving water via a water pipe, at least one steam generation chamber mounted to the peripheral surface of the casing and being in fluid communication with said water conduit and having at least one steam outlet, at least one electrical heater, being thermally connected to said steam generation chamber, if the downhole apparatus further comprises at least one crude oil conduit (125) for recovering crude oil, which has been mobilized by said steam.

IPC 8 full level

E21B 43/24 (2006.01)

CPC (source: EP US)

E21B 43/2401 (2013.01 - EP US)

Citation (examination)

US 2005072567 A1 20050407 - STEELE DAVID JOE [US], et al

Cited by

CN104533365A; CN111502623A; WO2019064043A1; US10273790B2; US10557336B2; US10760394B2

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 12150055 A 20120103; CA 2857587 A 20120615; CN 201280065331 A 20120615; EP 2012061503 W 20120615; ES 12150055 T 20120103; JP 2014550655 A 20120615; KR 20147021814 A 20120615; RU 2014131934 A 20120615; US 201213346563 A 20120109