

Title (en)

PRODUCTION OF INJECTION WATER BY COUPLING DIRECT-OSMOSIS METHODS WITH OTHER METHODS OF FILTRATION

Title (de)

HERSTELLUNG VON INJEKTIONSWASSER DURCH KOPPLUNG VON DIREKTOSMOSEVERFAHREN MIT ANDEREN
FILTRATIONSVERFAHREN

Title (fr)

PRODUCTION D'EAU D'INJECTION PAR COUPLAGE DE PROCEDES D'OSMOSE DIRECTE ET D'AUTRES PROCEDES DE FILTRATION

Publication

EP 2981670 A2 20160210 (FR)

Application

EP 14722251 A 20140401

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Abstract (en)

[origin: WO2014162094A2] The invention relates to a method for extracting hydrocarbons comprising the steps involving extracting a process flow from an underground formation, separating this flow into at least one hydrocarbon-containing fraction and one aqueous fraction referred to as the produced water, and reinjecting an injection water into the underground formation. The injection water intended to be introduced into the underground formation is produced partly in a direct-osmosis unit from produced water and partly in a nano filtration and/or reverse-osmosis unit. The invention also relates to a more general process for extracting hydrocarbons throughout the exploitation life of the underground hydrocarbon reservoir, and to an injection-water production device especially designed for implementing this process.

IPC 8 full level

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