

Title (en)

Plant and method for the production of an emulsion of water and hydrocarbons

Title (de)

Anlage und Verfahren zur Herstellung einer Emulsion von Wasser und Kohlenwasserstoffen

Title (fr)

Installation et procédé de production d'une émulsion d'eau et d'hydrocarbures

Publication

**EP 2832433 A1 20150204 (EN)**

Application

**EP 13179153 A 20130802**

Priority

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Abstract (en)

A plant and associated method for producing a water and hydrocarbon emulsion wherein a water supply circuit (2) and a hydrocarbon supply circuit (3) distribute water and hydrocarbon in a mixing circuit (4); the mixing circuit (4) comprises at least two tanks (16a, 16b) separated from each other and a pipe (13) connecting the tanks (16a, 16b) in order to transfer the water and hydrocarbon mixture from one tank to the other a series of times until obtaining an emulsion.

IPC 8 full level

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Citation (search report)

- [X] EP 2340887 A1 20110706 - ITI S R L [IT]
- [X] US 2003064012 A1 20030403 - SAITO HIROKAZU [JP]
- [X] JP S59151150 A 19840829 - MITSUBISHI PAPER MILLS LTD
- [X] US 2005000149 A1 20050106 - MONCRIEFF VAUGHN M [US], et al
- [X] US 2009062407 A1 20090305 - IVERSEN STEEN BRUMMERSTEDT [DK], et al

Cited by

US10323149B2; US2016053119A1; US9951224B2

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