

Title (en)
IMPROVED PRODUCTION VALVE

Title (de)
VERBESSERTES PRODUKTIONSVENTIL

Title (fr)
SOUPAPE DE PRODUCTION AMÉLIORÉE

Publication
EP 2825724 A4 20160629 (EN)

Application
EP 12871295 A 20121023

Priority
• US 201261611543 P 20120315
• US 201213446195 A 20120413
• US 2012061492 W 20121023

Abstract (en)
[origin: WO2013137933A1] A valve with a shuttle for use in a flow management system includes a spill port and bypasses a backflow.

IPC 8 full level
E21B 34/08 (2006.01); **E21B 21/10** (2006.01); **E21B 34/14** (2006.01); **E21B 34/16** (2006.01); **F16K 1/00** (2006.01); **F16K 15/03** (2006.01)

CPC (source: EP US)
E21B 34/08 (2013.01 - EP); **E21B 43/126** (2013.01 - EP US); **E21B 2200/05** (2020.05 - EP); **E21B 2200/06** (2020.05 - EP)

Citation (search report)
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• [XI] CA 2591567 A1 20051022 - BJ SERVICES COMPANY CANADA [CA]
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• See also references of WO 2013137933A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013137933 A1 20130919; AU 2012373206 A1 20140807; AU 2012373206 B2 20170706; AU 2012373240 A1 20140807;
AU 2012373240 B2 20151015; AU 2016200194 A1 20160204; AU 2016200194 B2 20180510; AU 2017236022 A1 20171026;
AU 2019236589 A1 20191017; AU 2021240271 A1 20211028; CA 2780553 A1 20130915; CA 2780553 C 20150120; EP 2825724 A1 20150121;
EP 2825724 A4 20160629; EP 2825724 B1 20200101; EP 2825727 A2 20150121; EP 2825727 A4 20160629; EP 2825727 B1 20200325;
EP 3715581 A1 20200930; ES 2782506 T3 20200915; HU E049187 T2 20200928; PL 2825724 T3 20200907; WO 2013137954 A2 20130919;
WO 2013137954 A3 20140925

DOCDB simple family (application)
US 2012061492 W 20121023; AU 2012373206 A 20121212; AU 2012373240 A 20121023; AU 2016200194 A 20160113;
AU 2017236022 A 20170929; AU 2019236589 A 20190923; AU 2021240271 A 20210930; CA 2780553 A 20120621; EP 12871295 A 20121023;
EP 12871543 A 20121212; EP 20157490 A 20121212; ES 12871295 T 20121023; HU E12871295 A 20121023; PL 12871295 T 20121023;
US 2012069186 W 20121212