

Title (en)
PUMPING SYSTEM

Title (de)
PUMPSYSTEM

Title (fr)
SYSTÈME DE POMPAGE

Publication
EP 2986853 A2 20160224 (EN)

Application
EP 14804191 A 20140404

Priority
• ZA 201302446 A 20130405
• ZA 2014000016 W 20140404

Abstract (en)
[origin: WO2014194338A2] A pump unit which includes a pipe, a flexible bladder inside the pipe, an operating volume between an outer surface of the bladder and an opposing inner surface of the pipe, a valve arrangement to introduce pressurised water into the operating volume and to allow pressurised water to flow from the operating volume and another valve arrangement to allow slurry to flow into the interior of the bladder as water is expelled from the operating volume and to- allow slurry to flow from the bladder when water is introduced into the operating volume.

IPC 8 full level
F04B 43/113 (2006.01); **F04B 15/02** (2006.01)

CPC (source: CN EP US)
F04B 15/02 (2013.01 - EP US); **F04B 43/113** (2013.01 - CN EP US); **F04B 43/1136** (2013.01 - EP US)

Citation (search report)
See references of WO 2014194338A2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014194338 A2 20141204; **WO 2014194338 A3 20151112**; AU 2014273875 A1 20151112; BR 112015025437 A2 20170718; CL 2015002963 A1 20160715; CN 105408630 A 20160316; EA 201591897 A1 20160630; EP 2986853 A2 20160224; US 2016047369 A1 20160218

DOCDB simple family (application)
ZA 2014000016 W 20140404; AU 2014273875 A 20140404; BR 112015025437 A 20140404; CL 2015002963 A 20151005; CN 201480032050 A 20140404; EA 201591897 A 20140404; EP 14804191 A 20140404; US 201414782084 A 20140404