

Title (en)  
VIBRATIONLESS MOINEAU SYSTEM

Title (de)  
VIBRATIONSLOSES MOINEAU-SYSTEM

Title (fr)  
SYSTÈME MOINEAU SANS VIBRATION

Publication  
**EP 3538734 A4 20200805 (EN)**

Application  
**EP 17890669 A 20171106**

Priority  
• US 201615348200 A 20161110  
• US 2017060171 W 20171106

Abstract (en)  
[origin: US2018128052A1] A method of operating a Moineau system to substantially eliminate vibrations, the method includes rotating a first rotational member, and rotating a second rotational member. Each of the first rotational member and the second rotational member includes a plurality of lobes. A first rotational speed of one of the first rotational member and the second rotational member is selected based on 1) a second rotational speed of the other of the first rotational member and the second rotational member and 2) the number of lobes of one of the first rotational member and the second rotational member to maintain eccentric force of one of the first and second rotational members below a predetermined threshold.

IPC 8 full level  
**E21B 4/02** (2006.01); **E21B 4/16** (2006.01); **E21B 43/00** (2006.01); **E21B 44/00** (2006.01)

CPC (source: EP US)  
**E21B 4/02** (2013.01 - EP US); **E21B 4/16** (2013.01 - EP US); **E21B 44/005** (2013.01 - EP US)

Citation (search report)  
• [XA] US 4059165 A 19771122 - CLARK WALLACE  
• [XA] WO 2014189517 A1 20141127 - HALLIBURTON ENERGY SERV INC [US]  
• [IA] US 2015088468 A1 20150326 - HOHL ANDREAS [DE], et al  
• See references of WO 2018128701A2

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)  
**US 10385615 B2 20190820; US 2018128052 A1 20180510**; CA 3043323 A1 20180712; EP 3538734 A2 20190918; EP 3538734 A4 20200805; WO 2018128701 A2 20180712; WO 2018128701 A3 20180907

DOCDB simple family (application)  
**US 201615348200 A 20161110**; CA 3043323 A 20171106; EP 17890669 A 20171106; US 2017060171 W 20171106