

Title (en)  
PRESSURE BOOSTER

Title (de)  
DRUCKVERSTÄRKER

Title (fr)  
SURPRESSEUR

Publication  
**EP 3839265 A1 20210623 (EN)**

Application  
**EP 19849370 A 20190724**

Priority  
• JP 2018152815 A 20180815  
• JP 2019028933 W 20190724

Abstract (en)  
A pressure booster (10) in which drive cylinders (14, 16) are arranged at both sides of a boost cylinder (12), and which is equipped with: a pair of pilot valves (72, 74) equipped with knock pins (90) that come into contact with pistons (36, 38) of the drive cylinders at a moving end; and a pair of actuation valves (48, 52) for switching the supply state of a pressure fluid with respect to pressure chambers (24a, 26a) of the drive cylinders. When a piston presses against a knock pin and one or the other pilot valve thus switches to a first position, the state in which the pressure fluid is supplied to the pair of actuation valves is switched and a prescribed fluid pressure acts on the knock pin so as to keep the pilot valve in the first position.

IPC 8 full level  
**F15B 3/00** (2006.01); **F04B 9/115** (2006.01); **F04B 9/135** (2006.01)

CPC (source: EP KR)  
**F04B 7/00** (2013.01 - EP); **F04B 9/08** (2013.01 - EP); **F04B 9/115** (2013.01 - KR); **F04B 9/135** (2013.01 - EP KR); **F15B 3/00** (2013.01 - EP KR); **F15B 11/16** (2013.01 - KR); **F15B 13/06** (2013.01 - KR); **F15B 13/042** (2013.01 - EP); **F15B 2211/30505** (2013.01 - EP); **F15B 2211/355** (2013.01 - EP); **F15B 2211/6355** (2013.01 - EP); **F15B 2211/7725** (2013.01 - EP); **F15B 2211/8855** (2013.01 - EP)

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)  
**EP 3839265 A1 20210623**; **EP 3839265 A4 20220420**; BR 112021002800 A2 20210504; CN 112567140 A 20210326; CN 112567140 B 20230124; JP 7314463 B2 20230726; JP WO2020036046 A1 20210826; KR 102523626 B1 20230419; KR 20210040136 A 20210412; MX 2021001767 A 20210419; TW 202016436 A 20200501; TW I704292 B 20200911; WO 2020036046 A1 20200220

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