

Title (en)
HYDRAULIC CYLINDER

Title (de)
HYDRAULIKZYLINDER

Title (fr)
CYLINDRE HYDRAULIQUE

Publication
EP 3835600 B1 20230816 (EN)

Application
EP 19859799 A 20190819

Priority
• JP 2018171907 A 20180913
• JP 2019032236 W 20190819

Abstract (en)
[origin: EP3835600A1] In a hydraulic cylinder (10) in which an operation piston (20) and a boosting piston (22) are disposed in tandem with a partition wall (26) provided therebetween, a high-pressure fluid is sealed in two axially adjacent pressure chambers. In an operation step, the high-pressure fluid is prepared so as to be able to flow between the pressure chambers in which the high-pressure fluid is sealed. Next, when the operation piston (20) has moved to an end side, the flow of the fluid between the two pressure chambers is blocked by a boost switching mechanism (33) such that the high-pressure fluid in one of the pressure chambers is discharged.

IPC 8 full level
F15B 11/036 (2006.01); **F15B 15/20** (2006.01)

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F15B 2211/7056 (2013.01 - EP); **F15B 2211/775** (2013.01 - EP); **F15B 2211/8855** (2013.01 - EP)

Cited by
US11261885B2; WO2024081989A1

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KR 20210049935 A 20210506; MX 2021002864 A 20210528; RU 2769896 C1 20220407; RU 2769896 C9 20220426;
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