

Title (en)
HYDRAULIC CYLINDER

Title (de)
HYDRAULIKZYLINDER

Title (fr)
CYLINDRE HYDRAULIQUE

Publication
EP 3835600 A1 20210616 (EN)

Application
EP 19859799 A 20190819

Priority
• JP 2018171907 A 20180913
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Abstract (en)
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 15/14 (2006.01)

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Cited by
US11261885B2; WO2024081989A1

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

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BA ME

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