

Title (en)
Hydraulic circuit for a hydraulic cylinder

Title (de)
Hydraulikkreis für einen Hydraulikzylinder

Title (fr)
Circuit hydraulique d'un vérin hydraulique

Publication
EP 2719839 B1 20160224 (EN)

Application
EP 12187833 A 20121009

Priority
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Abstract (en)
[origin: EP2719839A1] A hydraulic circuit (10) for operating a dual acting hydraulic cylinder (20) is disclosed. The hydraulic circuit reduces the extraction and retraction times of the hydraulic cylinder. The hydraulic circuit comprises a speed component (14) comprising a regeneration valve (18) arranged to return a hydraulic fluid from a rod-side chamber (24) to a piston-side chamber (22) of the cylinder (50) at a start phase of cylinder extraction, and a booster component (12) comprising first pressure intensifier (16) and a second pressure intensifier (17) arranged in parallel to increase flow of fluid at an end phase of cylinder extraction.

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