

Title (en)
SHOCK ABSORBING DEVICE FOR HYDRAULIC CYLINDER

Publication
EP 0068495 B1 19860312 (EN)

Application
EP 82105779 A 19820629

Priority

- JP 3341682 U 19820310
- JP 9679081 U 19810630
- JP 15573681 U 19811020
- JP 18784181 U 19811216

Abstract (en)
[origin: EP0068495A1] A shock absorbing device for a hydraulic cylinder including a shock absorbing hole (4) formed in an end wall (2) of cylinder, a passageway (6) having a port (5) opening in the shock absorbing hole at its inner peripheral surface (5A) and a shock absorbing member (13) attached to the piston (11) and aligned with the shock absorbing hole so that it enters the hole during shock absorbing stroke. The shock absorbing member (13) throttles the flow of fluid in the hole (4) to perform a first stage shock absorption and then throttle the flow of fluid through the port (5) to perform a second stage shock absorption.

IPC 1-7
F15B 15/22

IPC 8 full level
F15B 15/22 (2006.01)

CPC (source: EP)
F15B 15/222 (2013.01)

Citation (examination)
US 3704650 A 19721205 - BERG LAWRENCE F

Cited by
EP1677010A1; CN112780633A; US4807514A; EP0734495A4; EP0751315A1

Designated contracting state (EPC)
DE FR

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