

Title (en)
DAMPER WITH PRESSURE-SENSITIVE COMPRESSION DAMPING

Title (de)
DÄMPFER MIT DRUCKEMPFLINDLICHER KOMPRESSIONS DÄMPFUNG

Title (fr)
AMORTISSEUR EN COMPRESSION SENSIBLE A LA PRESSION

Publication
EP 1812727 A1 20070801 (EN)

Application
EP 04811387 A 20041118

Priority
US 2004038661 W 20041118

Abstract (en)
[origin: WO2006054994A1] A damper includes a piston rod, a damping piston, at least one cylinder containing a damping liquid, a fixed partition member for partitioning the interior of the damper into two liquid chambers, a pressure source, and a valve in communication with the pressure source which reacts as a function of the pressure. The valve can also be in communication with additional forces, such as mechanical spring forces, which can be adjustable. The valve can include a pressure intensifier. The valve generates fluid flow resistance during flow of liquid in a first direction through the partition member. The fluid flow resistance in the first direction varies according to the amount of force communicated to the valve by the pressure source and any additional forces. The partition member can include means for providing low-resistance return flow of liquid in a second direction.

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