

Title (en)

DEVICE AND METHOD FOR THE PNEUMATIC CONTROL AND REGULATION OF HYDRAULIC FLUID FLOWS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR PNEUMATISCHEN STEUERUNG UND REGELUNG VON DRUCKMITTELSTRÖMEN

Title (fr)

DISPOSITIF ET PROCEDE DE COMMANDE ET DE REGULATION PNEUMATIQUE DE COURANTS DE FLUIDES HYDRAULIQUES

Publication

EP 1404977 B1 20050907 (DE)

Application

EP 02740329 A 20020506

Priority

- DE 0201682 W 20020506
- DE 10124334 A 20010518

Abstract (en)

[origin: DE10124334A1] The control and regulation arrangement (10) has an input channel (14) supplied with a pressure medium, two output channels (16,18), a vent channel (20) and a movable valve piston in a valve chamber. A sliding element (12) joined to the valve piston alternately connects one of the output channels to the input channel and the other simultaneously to the vent channel. Independent claims are also included for the following: a vehicle seat with at least one inventive device and a method of pneumatic control and regulation of flows of pressurized medium.

IPC 1-7

F15B 11/15; F15B 13/04; F15B 13/042

IPC 8 full level

A47C 27/00 (2006.01); **A61H 7/00** (2006.01); **F15B 11/06** (2006.01); **F15B 11/15** (2006.01); **F15B 13/04** (2006.01); **F15B 13/042** (2006.01); **F16J 3/02** (2006.01)

CPC (source: EP KR US)

F15B 11/15 (2013.01 - EP KR US); **F15B 13/0402** (2013.01 - EP US); **F15B 13/042** (2013.01 - EP US); **Y10T 137/2554** (2015.04 - EP US)

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

DE 10124334 A1 20021121; DE 50204187 D1 20051013; EP 1404977 A1 20040407; EP 1404977 B1 20050907; JP 2004519640 A 20040702; KR 20030017635 A 20030303; US 2004020531 A1 20040205; US 6988508 B2 20060124; WO 02095241 A1 20021128

DOCDB simple family (application)

DE 10124334 A 20010518; DE 0201682 W 20020506; DE 50204187 T 20020506; EP 02740329 A 20020506; JP 2002591677 A 20020506; KR 20037000654 A 20030116; US 33349503 A 20030616