

Title (en)
PNEUMATIC DRIVE SYSTEM

Title (de)
PNEUMATISCHES ANTRIEBSSYSTEM

Title (fr)
SYSTEME D'ENTRAINEMENT PNEUMATIQUE

Publication
EP 1987257 B1 20090722 (DE)

Application
EP 07702849 A 20070118

Priority
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Abstract (en)
[origin: US2009078110A1] It is a question of a pneumatic drive system comprising at least one pneumatic drive (2) possessing a drive housing (4) and an output drive unit (6) able to be shifted in relation to it by the action of compressed air, the output drive unit (6) including an output drive piston (8), which in the drive housing (4) separates two working chambers (12 and 13) from one another, one or both of such chambers being connected with a pneumatic control line (17 and 18), such line having control valve means (22 and 23) able to be switched over between an air economy position and an open position (24) making available a flow cross section which is larger than that of the air economy position, such control valve means being provided with actuating means (32) able to be activated in a manner dependent on the position of the output drive unit (6), such actuating means being able to cause a switching over of the control valve means (22 and 23) into the air economy position, when the output drive unit (6), owing to the compressed air flowing through the control valve means (22 and 23) into the pneumatic drive (2), has reached an end of stroke position or a position just short thereof. The air economy setting has the particular feature that it is in the form of a choking setting (25) opening up a flow cross section which is smaller than in the open position (24).

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