

Title (en)

LIFTING CYLINDER WHICH CAN BE ACTUATED BY PRESSURE FLUID, PREFERABLY FOR VENTILATING DEVICES

Publication

EP 0335504 B1 19921119 (EN)

Application

EP 89301992 A 19890228

Priority

- DE 3814003 A 19880426
- DE 8804119 U 19880326

Abstract (en)

[origin: EP0335504A1] The invention relates to a lifting cylinder (1) which can be actuated by pressure fluid, preferably for the opening and closing of ventilating devices such as ventilation flaps for example, having a working piston (6) which is disposed on a longitudinally movable lifting rod (8) and is guided for movement in a working pressure chamber (5) comprising a pressure-fluid inlet and having a detent member (13) which is aligned perpendicular to the longitudinal axis (9) of the lifting rod and can be spring loaded, to lock the lifting rod in the end stroke position. The lifting rod has a contact member (17) which is loaded by a spring (22) and which can be supported against a stop (21) in an intermediate stroke position and can be transferred, by an end stroke movement overcoming the action of the spring (22), into its end stroke position when a preset operating pressure is exceeded. In a further embodiment a pair of working pistons (6.1, 6.2) (Fig. 2) on a common lifting rod (8) is movable to an end stroke position overcoming the action of a telescopic spring stop (21).

IPC 1-7

A62C 2/06; F15B 15/24

IPC 8 full level

A62C 2/06 (2006.01); **A62C 2/24** (2006.01); **F15B 15/24** (2006.01); **F15B 15/26** (2006.01)

CPC (source: EP)

A62C 2/248 (2013.01); **F15B 15/261** (2013.01)

Citation (examination)

- EP 0246736 A1 19871125 - COLT INT HOLDINGS [CH]
- DE 3109684 A1 19820923 - RENK AG ZAHNRAEDER [DE]

Cited by

CN104454779A; CN105257619A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0335504 A1 19891004; EP 0335504 B1 19921119; DE 3814003 A1 19891012; DE 68903519 D1 19921224; DE 68903519 T2 19930519

DOCDB simple family (application)

EP 89301992 A 19890228; DE 3814003 A 19880426; DE 68903519 T 19890228