

Title (en)

Driving and guiding system for moving a load

Title (de)

Antriebs- und Führungssystem für eine zu bewegendende Last

Title (fr)

Système de motorisation et de guidage pour mouvoir une charge

Publication

**EP 0645544 B1 19981230 (DE)**

Application

**EP 94114794 A 19940920**

Priority

DE 4332547 A 19930924

Abstract (en)

[origin: EP0645544A1] A driving and guiding system for a load (1) to be moved essentially consists of a rodless pressure-medium cylinder, the cylinder body (2) of which contains a piston (3) guided in a longitudinally displaceable manner, and of a power-transmission element (4) which is attached to the piston (3) of the pressure-medium cylinder, interacts via rollers (5) mounted on it with tracks (6) arranged in the longitudinal direction of the cylinder body (2), and is connected to the load (1) to be moved. The cylinder body (2) is held in a fixed position, for example on a vehicle or building. The cylinder body (2) and the tracks (6) are formed together by a one-piece profile. This profile contains the rollers (5), which are provided in pairs in each case, are divided functionally into bearing rollers (5a) and supporting rollers (5b), and are made of non-metallic material at least in the area of their running surface. The bearing rollers (5a) and the supporting rollers (5b) are arranged under the cylinder body (2), the axis of rotation of these rollers (5a, 5b) and the direction of action of the load (1) being at an angle of 90 DEG to one another. <IMAGE>

IPC 1-7

**F15B 15/08**

IPC 8 full level

**F15B 15/08** (2006.01)

CPC (source: EP)

**F15B 15/082** (2013.01)

Cited by

DE19604997C2; AT407430B; EP1022472A3; EP1022472A2; US6401593B1

Designated contracting state (EPC)

AT DE DK ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0645544 A1 19950329; EP 0645544 B1 19981230**; AT E175257 T1 19990115; DE 4332547 A1 19950330; DE 59407554 D1 19990211; DK 0645544 T3 19991025

DOCDB simple family (application)

**EP 94114794 A 19940920**; AT 94114794 T 19940920; DE 4332547 A 19930924; DE 59407554 T 19940920; DK 94114794 T 19940920