

Title (en)

A lifting unit for the forks of lift trucks

Title (de)

Hebeeinheit für die Gabeln von Hubwagen

Title (fr)

Unité de levage pour les fourches de chariots élévateurs

Publication

**EP 0622331 B1 19980930 (EN)**

Application

**EP 94200679 A 19940316**

Priority

IT MI930528 A 19930319

Abstract (en)

[origin: EP0622331A1] In a unit for lifting the forks of lift trucks using one or more single-acting hydraulic cylinders (19) to lift or lower the forks, in two opposite end-of-travel strokes of the piston (31) of the hydraulic cylinder (19), interception means (37, 34) determine a reduction in the cross-section of the working fluid outflow respectively from a first chamber (44) and from a second chamber (45) of variable volumes inside the hydraulic cylinder (19); this brakes the travel of the piston (31) and thus of the actuating rod (33), which is integral with the latter, preventing abrupt stresses being applied to the load on the forks. <IMAGE>

IPC 1-7

**B66F 9/08**; **F15B 15/22**

IPC 8 full level

**B66F 9/08** (2006.01); **F15B 15/22** (2006.01)

CPC (source: EP)

**B66F 9/08** (2013.01); **F15B 15/222** (2013.01)

Cited by

EP0931758A1; EP0866026A3; DE10214864C5; DE10214864B4; US6557456B2; US6283008B1; WO9849451A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0622331 A1 19941102**; **EP 0622331 B1 19980930**; AT E171695 T1 19981015; DE 69413593 D1 19981105; DE 69413593 T2 19990318; ES 2123704 T3 19990116; IT 1272114 B 19970611; IT MI930528 A0 19930319; IT MI930528 A1 19940919

DOCDB simple family (application)

**EP 94200679 A 19940316**; AT 94200679 T 19940316; DE 69413593 T 19940316; ES 94200679 T 19940316; IT MI930528 A 19930319