

Title (en)

Telescopic mast construction for a lift-truck

Title (de)

Ausfahrbare Mastkonstruktion für einen Hubwagen

Title (fr)

Construction de mât télescopique pour un chariot élévateur

Publication

EP 0866026 A3 20000105 (DE)

Application

EP 98100493 A 19980114

Priority

DE 19710556 A 19970314

Abstract (en)

[origin: EP0866026A2] A telescopic mast construction (10) for a lift truck has a mast fixed to the wagon. A mast is movable up and down relative to the fixed mast, and a load supporting device is located on the movable mast, a first lifting cylinder which is coupled at one end to the movable mast and at the other end through tension devices to the load-supporting device plus at least one second lifting cylinder to extend the movable mast. The lifting cylinders are connected parallel to a common hydraulic supply and are chosen in their effective cross-section so that the first cylinder lifts the load- supporting device before the second cylinder extends the movable mast. The first cylinder is constructed so that before the end of its extension stroke, a gradually increasing opposing pressure is built up that is dimensioned so that the increase in pressure caused at the lifting cylinders suffices to extend the second cylinder before the first one has reached its dead point.

IPC 1-7

B66F 9/08

IPC 8 full level

B66F 9/08 (2006.01)

CPC (source: EP)

B66F 9/08 (2013.01)

Citation (search report)

- [X] EP 0622331 A1 19941102 - FIAT OM CARRELLI ELEVATORI [IT]
- [X] DE 3606515 A1 19860828 - TOYODA AUTOMATIC LOOM WORKS [JP]
- [A] EP 0716040 A1 19960612 - BT IND AB [SE]

Cited by

EP2123594A1; EP1600420A1; CN102730608A; US6557456B2; WO2009141242A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 19710556 A1 19980917; DE 19710556 C2 19990311; EP 0866026 A2 19980923; EP 0866026 A3 20000105

DOCDB simple family (application)

DE 19710556 A 19970314; EP 98100493 A 19980114