Title (en)

LIFT MAST ROLLER ASSEMBLY FOR A LIFT STRUCTURE OF A FORK LIFT TRUCK

Title (de)

ROLLENANORDNUNG FÜR DEN HEBEMAST EINES GABELHUBWAGENS

Title (fr)

ENSEMBLE GALET DE MAT DE LEVAGE POUR STRUCTURE DE LEVAGE DE CHARIOT ELEVATEUR A FOURCHE

Publication

EP 0868390 A1 19981007 (EN)

Application

EP 96943454 A 19961218

Priority

- SE 9601696 W 19961218
- SE 9504525 A 19951219

Abstract (en)

[origin: WO9722546A1] A lift mast roller assembly (10) for a lift structure of a fork lift truck, comprising in combination an axle bar (9) fixedly attached to a component of a lift mast structure of the fork lift truck and a substantially annular lift mast roller (13), journalled on said axle bar (9) in a rolling bearing (12) having an inner race ring (24), an outer race ring (20) and a number of rollers (21) disposed therebetween, wherein the inner race ring (24) is fitted with a tight fit on the axle bar (9), the outer race ring (20) is axially affixed relative to the lift mast roller (13), and the rolling bearing is a self-aligning roller bearing wherein the rollers (21) and race tracks provided in the race rings (20, 21) have correspondingly curved longitudinal section profiles with radius of curvature substantially greater than the greatest distance between the central bearing axis and the surfaces of the race tracks, wherein the rollers are axially moveable without restrictions from axial limitations.

IPC 1-7

B66F 9/08

IPC 8 full level

B66F 9/08 (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP)

B66F 9/08 (2013.01); **F16C 13/006** (2013.01)

Citation (search report)

See references of WO 9722546A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9722546 A1 19970626; AU 1218497 A 19970714; EP 0868390 A1 19981007; JP H11500992 A 19990126; SE 9504525 D0 19951219; SE 9504525 L 19970620

DOCDB simple family (application)

SE 9601696 W 19961218; AU 1218497 A 19961218; EP 96943454 A 19961218; JP 52271797 A 19961218; SE 9504525 A 19951219