

Title (en)

Reach forklift

Title (de)

Schubgabelstapler

Title (fr)

Chariot élévateur à longue portée

Publication

**EP 0712805 B1 20000802 (EN)**

Application

**EP 95119390 A 19930518**

Priority

- EP 95119390 A 19930518
- EP 93108095 A 19930518

Abstract (en)

[origin: EP0712805A2] A reach forklift comprises: a forklift body; left and right straddle arms; a pair of load wheels supported in a steerable manner in the vicinity of front ends of the left and right straddle arms, respectively; driving means for steering the load wheels, the load wheels and the driving means being housed in the straddle arms; a drive wheel disposed in a rear portion of the forklift body; and a steering wheel for steering the drive wheel; steering angle detecting means for detecting steering angles of the left and right load wheels and the drive wheel; a control device (116) for, in a first mode, determining a steering angle ( $\theta_L, \theta_R$ ) of one of said load wheels (105, 106) by multiplying a steering angle ( $\theta_D$ ) of said drive wheel (104) by a predetermined steering angle gain ( $GL, GR$ ), for calculating a turning centre from a geometric relationship between said drive wheel (104) and said one load wheel, and for controlling the steering so that an extension line (HR, HL) of the rotation axis of the other load wheel passes through said turning centre. <IMAGE>

IPC 1-7

**B66F 9/075**

IPC 8 full level

**B66F 9/075** (2006.01); **B66F 9/10** (2006.01)

CPC (source: EP)

**B66F 9/07568** (2013.01); **B66F 9/10** (2013.01)

Citation (examination)

JP S57121599 A 19820729 - SHINKO ELECTRIC CO LTD

Cited by

US8930082B2; FR2817543A1; EP3100973A4; ES2186491A1; AU2011240163B2; CN117602538A; EP1270496A1; FR2826353A1; GB2357268A; GB2357268B; US6901323B2; WO2022089891A1; WO2011128222A1; WO2022167171A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0712805 A2 19960522; EP 0712805 A3 19960605; EP 0712805 B1 20000802; DE 69315198 D1 19971218; DE 69315198 T2 19980305**

DOCDB simple family (application)

**EP 95119390 A 19930518; DE 69315198 T 19930518**