

Title (en)

Device for supporting the stacking and unstacking for a lift truck

Title (de)

Vorrichtung zur Unterstützung des Ein-und Ausstapelns bei einem Stapler

Title (fr)

Dispositif d'aide au chargement et au déchargement de charges pour un chariot élévateur

Publication

EP 1604942 A3 20060531 (DE)

Application

EP 05011061 A 20050521

Priority

DE 102004027446 A 20040604

Abstract (en)

[origin: EP1604942A2] u The device has an elevator measuring instrument (16), which measures the height of a load fork (10) of a stacker. A video camera (26) for the load fork is provided. Control equipment for the manipulation of the load fork on which signals are provided to the elevator measuring instrument and the video camera which contain the vertical lift preselection and a video menu. A screen (24) is provided for the operator of the stacker, and connected with the control device. A preselection unit for the vertical lift preselection of the load fork (10) is connected with the control equipment which drives the control equipment automatically on the preselected height and causes an announcement on the screen. The control equipment on the video menu switches the signal of the video camera to the screen, if the load fork is in close range of the given height of the load fork.

IPC 8 full level

B66F 9/075 (2006.01); **B66F 9/24** (2006.01)

CPC (source: EP US)

B66F 9/0755 (2013.01 - EP US); **B66F 9/24** (2013.01 - EP US)

Citation (search report)

- [A] DE 10015009 A1 20011018 - JUNGHEINRICH AG [DE]
- [A] US 5738187 A 19980414 - DAMMEYER NED E [US], et al
- [A] EP 1408001 A1 20040414 - TOYODA AUTOMATIC LOOM WORKS [JP]

Cited by

EP2439165A1; US8521373B2; US10754466B2; US10936183B2; US11054980B2; US9932213B2; US10430073B2; US10949083B2; US11899871B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1604942 A2 20051214; **EP 1604942 A3 20060531**; **EP 1604942 B1 20080820**; CN 100445194 C 20081224; CN 1706739 A 20051214; DE 102004027446 A1 20060105; DE 102004027446 B4 20070823; DE 502005005074 D1 20081002; US 2005281657 A1 20051222; US 7274970 B2 20070925

DOCDB simple family (application)

EP 05011061 A 20050521; CN 200510076033 A 20050603; DE 102004027446 A 20040604; DE 502005005074 T 20050521; US 14443905 A 20050603