

Title (en)
Industrial truck with improved cornering control

Title (de)
Industriellastkraftwagen mit verbesserter Kurvenfahrtsteuerung

Title (fr)
Camion industriel avec contrôle d'angle amélioré

Publication
EP 2674387 A1 20131218 (EN)

Application
EP 12171608 A 20120612

Priority
EP 12171608 A 20120612

Abstract (en)
A fork lift truck is disclosed, comprising: a steering system with at least one steerable wheel, a steering control for steering the steerable wheel and a steering angle detection means for directly or indirectly detecting a steering angle of the steerable wheel; and a traction motor system for driving said truck. A permissible maximum travelling speed provided by the traction motor system is controllable in dependence of the steering angle of the steerable wheel, whereby the permissible maximum travelling speed is more limited at large steering angles than at low steering angles. The steering system further comprises an angular velocity determination means for direct or indirect determination of an angular velocity of a steering angle alteration. The permissible maximum travelling speed is further controlled in dependence of the angular velocity, so that the permissible maximum travelling speed is more limited when a high angular velocity is determined than when a low angular velocity is determined.

IPC 8 full level
B66F 9/075 (2006.01); **B66F 9/24** (2006.01)

CPC (source: EP)
B66F 9/07568 (2013.01); **B66F 9/24** (2013.01)

Citation (applicant)
• EP 0343839 A2 19891129 - RAYMOND CORP [US]
• US 7165643 B2 20070123 - BOZEM GERHARD [DE], et al
• US 4942529 A 19900717 - AVITAN ISAAC [US], et al
• EP 1985576 A2 20081029 - JUNGHEINRICH AG [DE]

Citation (search report)
• [AD] EP 1985576 A2 20081029 - JUNGHEINRICH AG [DE]
• [A] US 4520299 A 19850528 - KONRAD CHARLES E [US]
• [A] JP 2004330998 A 20041125 - NIPPON YUSOKI CO LTD

Cited by
EP3115332A1; CN113302146A; US12006195B2; EP3145765A4; CN105905840A; KR20170005079A; EP3145772A4; US11008037B2; US10414288B2; WO2015178843A1; US11352243B2; US11945705B2; WO2020136830A1; US10723382B2; US11400975B2; US11814274B2; US9868445B2; US10081367B2; US10377388B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2674387 A1 20131218; EP 2674387 B1 20150520; EP 2674387 B8 20150715

DOCDB simple family (application)
EP 12171608 A 20120612