Title (en)
    Mast assembly for a forklift truck

Title (de)
    Mastanordnung für einen Gabelstapler

Title (fr)
    Ensemble de mât pour chariot élévateur à fourche

Publication
    EP 2039647 A1 20090325 (EN)

Application
    EP 08164686 A 20080919

Priority
    JP 2007243887 A 20070920

Abstract (en)
    A mast assembly (10) for a forklift truck includes paired outer masts, a tilt cylinder (28) having a rod (28A), and a tilt bracket (17,37). The tilt bracket (17,37) is fixed to the outer surface of each outer mast (11) by welding for supporting an end of the rod (28A) of the tilt cylinder (28). The tilt bracket (17,37) has top (18,38) and bottom (19,39) surfaces parallel to each other, a front surface (20,40) having a welded portion (29,49) for fixing the tilt bracket (17,37) to the outer mast (11), the rear surface (24,44) facing the tilt cylinder (28), and a shaft support (25) for supporting the end of the rod (28A). The front surface (20,40) of the tilt bracket (17,37) has a continuous curved surface (21,41) which is formed a recess (H) extending toward the rear surface (24,44) of the tilt bracket (17,37). The welded portion (29,49) is formed continuously along the continuous curved surface (21,41). The welded portion has the weld end (29A,49A) located adjacent to the end of the continuous curved surface (21,41).

IPC 8 full level
    B66F 9/08 (2006.01)

CPC (source: EP)
    B66F 9/082 (2013.01)

Citation (applicant)
    JP H04148799 A 19920521 - TOYODA AUTOMATIC LOOM WORKS

Citation (search report)
  • [X] JP H09227095 A 19970902 - TOYODA AUTOMATIC LOOM WORKS
  • [A] JP 2000255996 A 20000919 - KOMATSU FORKLIFT
  • [A] JP 2000016790 A 20000118 - TOYODA AUTOMATIC LOOM WORKS
  • [A] JP H05338996 A 19931221 - TOYODA AUTOMATIC LOOM WORKS
  • [A] JP 2006008315 A 20060112 - TCM CORP

Cited by
    CN107522141A

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    DE FR GB IT SE

Designated extension state (EPC)
    AL BA MK RS

DOCDB simple family (publication)
    EP 2039647 A1 20090325; **EP 2039647 B1 20110518**; JP 2009073618 A 20090409; JP 5233218 B2 20130710

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    EP 08164686 A 20080919; JP 2007243887 A 20070920