

Title (en)
Altimeter for fork trucks

Title (de)
Gabelstapleraltimeter

Title (fr)
Altimètre pour chariots à fourche

Publication
EP 2269941 A1 20110105 (EN)

Application
EP 09445015 A 20090629

Priority
EP 09445015 A 20090629

Abstract (en)
Altimeter for fork truck comprising a wire (5) with one end (6) fastened to the upper side of a fork carrier (4). The wire then extends upward and runs over a first pulley (7) in top of a first (top) mast section (1). From the first pulley the wire extends down to a second pulley (8) arranged in the bottom of the first mast section (1), under this upward and upward to a third pulley (9) in top of an intermediate mast section (2), over this and then down to a fourth pulley (10) in the bottom of the intermediate second mast section and further up to a fifth pulley (11) in top of a third mast (3) fastened in the truck. From the top of the third mast (3) the wire continues down to a sixth pulley (12) and from this up to the bottom of the fork carrier (4). The fifth pulley (11) is provided with a bearing of known type that measures the rotation thereof, for instance by a toothed disc, the teeth on rotation passing a led and a light sensor delivering a pulse for each tooth. The number of pulses can then be counted by an on board computer or by a separate display device calculating the fork height from the pulses.

IPC 8 full level
B66F 9/075 (2006.01); **B66F 11/04** (2006.01)

CPC (source: EP)
B66F 9/0755 (2013.01)

Citation (applicant)
JP H08143296 A 19960604 - SUMITOMO HEAVY INDUSTRIES, et al

Citation (search report)
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• [Y] JP S51126164 A 19761104 - NIPPON GUROOBU KK
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• [A] JP H08143296 A 19960604 - SUMITOMO HEAVY INDUSTRIES, et al

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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 SE SI SK TR

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