

Title (en)
Body structure of industrial device

Title (de)
Aufbaustruktur eines Gabelhubwagens

Title (fr)
Structure de caisse d'un chariot de manutention

Publication
EP 0738651 B2 20050810 (EN)

Application
EP 96106023 A 19960417

Priority
JP 9373795 A 19950419

Abstract (en)
[origin: EP0738651A2] Provided herein is a battery-operated, three-wheeled fork lift using a counterweight as its rear frame, thereby making weight setting of the counterweight easier and at the same time suitably achieving a simplification of the rear portion of the frame. A unit attaching portion 4 extended substantially horizontally in a direction toward the front is formed on a front surface of a rear portion 2 of the counterweight 1 to be mounted on a rear end portion of the frame, and a drive unit 11 for driving a rear wheel is attached thereto. Further, controller attaching portions 7 are formed on an upper part of front surface of two side portions 3 of the counterweight 1, and a controller 25 is attached thereto. Furthermore, a motor attaching portion 6 extended inwardly to provide an attaching surface by its front surface is formed on an inner surface of one of the side portions 3 of the counterweight 1, and an oil motor 19 for power steering is attached thereto. <IMAGE>

IPC 1-7
B62D 51/00; **B66F 9/075**

IPC 8 full level
B60R 11/00 (2006.01); **B60K 7/00** (2006.01); **B62D 21/18** (2006.01); **B66C 23/74** (2006.01); **B66F 9/075** (2006.01)

CPC (source: EP)
B66F 9/07554 (2013.01)

Citation (opposition)
Opponent :

- DE 3133027 A1 19830331 - HURTH MASCH ZAHNRAD CARL [DE]
- JP H04345581 A 19921201 - TOYODA AUTOMATIC LOOM WORKS
- DE 2658696 A1 19780629 - STILL GMBH
- Prospectus STILL Reihe 50 "Der neue Elektrogabelstabler" (1980)
- Prospectus STILL Reihe 50 "Der meistgekaufte Elektrogabelstabler" (1987)
- Prospectus TCM ETB 10,13,15 (publ. before 1987)

Cited by
DE19849753B4; DE19849770B4; GB2347132A; EP1298039A1; CN107827001A; FR2915741A1; EP1988054A3; US7823402B2

Designated contracting state (EPC)
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EP 0738651 A2 19961023; **EP 0738651 A3 19980318**; **EP 0738651 B1 20020123**; **EP 0738651 B2 20050810**; DE 69618699 D1 20020314; DE 69618699 T2 20020926; DE 69618699 T3 20060316; JP 3067581 B2 20000717; JP H08282984 A 19961029

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