

Title (en)  
SEMI-AUTOMATIC HANDLING DEVICE FOR BUILDING BLOCKS

Publication  
**EP 0153702 A3 19860730 (DE)**

Application  
**EP 85101891 A 19850221**

Priority  
DE 3406965 A 19840225

Abstract (en)  
[origin: EP0153702A2] 1. A device for the semi-automatic handling of building blocks for the prefabrication of wall elements along an assembly wall by means of a working vehicle which can be driven parallel to the assembly wall and which carries at least the building blocks and the operator, characterised in that the working vehicle (1) is self-driven, comprises a mortar silo (3) having a pump (3a) and comprises height-adjustable gripping tongs (12) which are guided above head-height and by means of which the building blocks can be transferred from the working vehicle (1) to the desired placement position on the assembly wall (2), and in that a guiding device for the gripping tongs (12) also supports via a height-adjustable arm (14) a mortar line (18) connected to the silo (3), the outlet of which mortar line is height-adjustable, to which end the arm (14) together with the mortar line (16) formed as a tube is acted upon by an opposing force (21) which at least counterbalances the overall weight of the former.

IPC 1-7  
**E04G 21/22**; **E04C 2/04**

IPC 8 full level  
**E04C 2/04** (2006.01); **E04G 21/22** (2006.01)

CPC (source: EP)  
**E04C 2/042** (2013.01)

Citation (search report)  
• [A] DE 2406588 A1 19750814 - DORNSIEPEN BERNHARD  
• [A] US 3438171 A 19690415 - DEMAREST DOUGLAS M  
• [A] DE 2646591 A1 19780420 - TWIEHAUS HERMANN

Cited by  
ES2128922A1

Designated contracting state (EPC)  
AT CH FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0153702 A2 19850904**; **EP 0153702 A3 19860730**; **EP 0153702 B1 19880907**; AT E37062 T1 19880915; DE 3406965 A1 19850829; DE 3406965 C2 19901004; HU 192315 B 19870528; HU T39399 A 19860929

DOCDB simple family (application)  
**EP 85101891 A 19850221**; AT 85101891 T 19850221; DE 3406965 A 19840225; HU 48985 A 19850208