

Title (en)
GRAB

Title (de)
GREIFER

Title (fr)
BENNE PRENEUSE

Publication
EP 2274224 A4 20130130 (EN)

Application
EP 09733709 A 20090424

Priority
• FI 2009050327 W 20090424
• FI 20085362 A 20080424

Abstract (en)
[origin: WO2009130395A1] The grab has an upper table (10), a lower table (20) and a suspension mechanism, which connects the tables and the length of which is adjustable, with the aid of which mechanism the distance between the upper and lower table can be altered. The scoop of the grab is made up of two jaws (16a, 16b), which can be opened and closed, and which are attached to the lower table in a pivoted manner (26). The crane beams (30) are attached at their first end to the jaws and at their second end to the upper table. When closing, the jaws rotate around the rotation axis passing through the first ends of the crane beams into a closed position. The grab further has support chains (48), which are attached to the jaws for supporting them during the opening movement of the jaws. In the opening movement the jaws rotate around the imaginary rotation axis passing through the attaching rings (50) of the support means to the opened position. The opening and the closing thus happen in different ways in the grab, whereby making a compromise between the expansion and the closing speed/force is avoided. The attaching rings of the support chains are attached to the jaws so that they are situated substantially further from the central line of the grab than the attaching pins (28) of the crane beams. The grab can be a rope grab, whereby said suspension mechanism connecting the upper jaw and lower jaw is a rope gear.

IPC 8 full level
B66C 3/12 (2006.01); **B66C 3/00** (2006.01); **B66C 3/02** (2006.01)

CPC (source: EP FI)
B66C 3/00 (2013.01 - FI); **B66C 3/02** (2013.01 - EP FI); **B66C 3/12** (2013.01 - EP FI)

Citation (search report)
• [XAI] GB 404295 A 19340105 - DUDLEY JAMES BARNARD
• [XI] FR 1166302 A 19581105 - DRAGLEVAGE ATEL CONST
• See references of WO 2009130395A1

Designated contracting state (EPC)
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