

Title (en)  
RELEASABLE GRIP-AND-HOLD DEVICE FOR LIFTING LARGE BOARDS AND A METHOD FOR RELEASING THE DEVICE IN THE LARGE BOARD'S MOUNTING POSITION

Title (de)  
LÖSBARE GREIF- UND KLEMMVORRICHTUNG ZUM HEBEN GROSSFORMATIGER BRETTER UND VERFAHREN ZUM LÖSEN DES BRETTEES IN MONTAGEPOSITION

Title (fr)  
DISPOSITIF DE PRISE ET DE SERRAGE LIBERABLE POUR SOULEVER DES PLANCHES DE GRANDE TAILLE ET PROCEDE POUR LIBERER CE DISPOSITIF AU MOMENT OU LA PLANCHE EST EN POSITION DE MONTAGE

Publication  
**EP 1230460 B1 20060301 (EN)**

Application  
**EP 00959046 A 20000912**

Priority  
• NO 0000298 W 20000912  
• NO 994477 A 19990916

Abstract (en)  
[origin: WO0120102A1] A releasable grip-and-hold device for panelling boards (28), pivotally mounted on the extreme end of a pivoted boom (18) of liftable/lowerable board-handling apparatus. Said device comprises a board-supporting frame (26) with hooks (32) for securely holding opposite board edges until the moment of release from the device in the mounting position of the board. The hooks (32) are formed on respective end sections (34) of said frame (26) and are connected to the frame (26) in a pivoted, spring-loaded manner. A wire (62) leads from a fixed point (60) on the supporting frame (26) at the pivot point (30) thereof, to a constructional element on the board-handling apparatus. When the boomwork (18) is pivoted, the wire (62) provides for the supporting frame (26) to be rotated 180 DEG from a stack of panelling boards (28) lying horizontally, and so that the supporting frame (26) with the panelling board (28) lying on top is sloping slightly in the longitudinal direction. This sloping position of the panelling board (28) resting on top of the supporting frame (26) via small pivoted supporting means (44), then bringing it into a displacing motion, so that it first pivots the supporting means (44) and then exerts a push force on the hooks (34), which pivot resiliently away in order to start the successive release of the panelling board (28) from its grip-and-hold device.

IPC 8 full level  
**E04F 21/18** (2006.01); **B66C 1/44** (2006.01); **B66C 23/48** (2006.01); **B66F 11/00** (2006.01)

CPC (source: EP)  
**B66C 1/44** (2013.01); **B66C 23/48** (2013.01); **E04F 21/1816** (2013.01); **E04F 21/18** (2013.01); **E04F 21/1805** (2013.01); **E04F 21/1822** (2013.01)

Cited by  
NL1043853A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0120102 A1 20010322**; AT E318972 T1 20060315; AU 7043500 A 20010417; DE 60026328 D1 20060427; EP 1230460 A1 20020814; EP 1230460 B1 20060301; NO 314048 B1 20030120; NO 994477 D0 19990916; NO 994477 L 20010319

DOCDB simple family (application)  
**NO 0000298 W 20000912**; AT 00959046 T 20000912; AU 7043500 A 20000912; DE 60026328 T 20000912; EP 00959046 A 20000912; NO 994477 A 19990916