

Title (en)
STACK CHANGING DEVICE

Title (de)
STAPELWECHSELVORRICHTUNG

Title (fr)
DISPOSITIF CHANGEUR DE PILES

Publication
EP 0958215 A1 19991124 (DE)

Application
EP 98904171 A 19980203

Priority
• DE 19704285 A 19970205
• EP 9800562 W 19980203

Abstract (en)
[origin: WO9834861A1] In a non-stop stack changing device, remaining-stack bars are pulled from the stack area one by one and out-of-line in relation to each other. To this end, a pull/push drive is provided, which makes it possible to push the remaining-stack bars simultaneously into the grooves of a pallet carrying a sheet stack. Furthermore, the pull/push drive makes it possible to pull the remaining-stack bars in pairs from inside outwards out of the stack area. In addition, the remaining-stack bars can be pulled in a first and second sequence in accordance with this model. An individual motor drive is provided for this purpose, which operates interlockingly on each individual remaining-stack bar.

IPC 1-7
B65H 1/26

IPC 8 full level
B65H 1/30 (2006.01); **B65H 1/26** (2006.01)

CPC (source: EP US)
B65H 1/263 (2013.01 - EP US); **B65H 2403/00** (2013.01 - EP US); **B65H 2403/41** (2013.01 - EP); **B65H 2801/21** (2013.01 - EP US)

Citation (search report)
See references of WO 9834861A1

Cited by
WO2020164802A1; CN113614009A; US11858766B2

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

DOCDB simple family (publication)
WO 9834861 A1 19980813; AT E201378 T1 20010615; AT E205455 T1 20010915; AT E206097 T1 20011015; AT E206098 T1 20011015; AT E207841 T1 20011115; AT E209154 T1 20011215; DE 59800760 D1 20010628; DE 59801444 D1 20011018; DE 59801570 D1 20011031; DE 59801572 D1 20011031; DE 59801949 D1 20011206; DE 59802710 D1 20020221; EP 0958215 A1 19991124; EP 0958215 B1 20011031; EP 0958216 A1 19991124; EP 0958216 B1 20010926; EP 0958217 A1 19991124; EP 0958217 B1 20010926; EP 0958218 A1 19991124; EP 0958218 B1 20010912; EP 0958219 A1 19991124; EP 0958219 B1 20010523; EP 0958220 A1 19991124; EP 0958220 B1 20011121; JP 2000509692 A 20000802; JP 2000509693 A 20000802; JP 2000509694 A 20000802; JP 2000509695 A 20000802; JP 2000510083 A 20000808; JP 2001505861 A 20010508; JP 3297442 B2 20020702; JP 3322888 B2 20020909; JP 3332936 B2 20021007; JP 3332937 B2 20021007; JP 3332938 B2 20021007; JP 3346478 B2 20021118; US 6209863 B1 20010403; US 6286826 B1 20010911; US 6485016 B1 20021126; US 6547512 B1 20030415; US 6547513 B1 20030415; US 6676364 B1 20040113; WO 9834862 A1 19980813; WO 9834863 A1 19980813; WO 9834864 A1 19980813; WO 9834865 A1 19980813; WO 9834866 A1 19980813

DOCDB simple family (application)
EP 9800562 W 19980203; AT 98904171 T 19980203; AT 98905390 T 19980203; AT 98905391 T 19980203; AT 98908044 T 19980203; AT 98908045 T 19980203; AT 98908046 T 19980203; DE 59800760 T 19980203; DE 59801444 T 19980203; DE 59801570 T 19980203; DE 59801572 T 19980203; DE 59801949 T 19980203; DE 59802710 T 19980203; EP 9800563 W 19980203; EP 9800565 W 19980203; EP 9800567 W 19980203; EP 9800568 W 19980203; EP 9800569 W 19980203; EP 98904171 A 19980203; EP 98905390 A 19980203; EP 98905391 A 19980203; EP 98908044 A 19980203; EP 98908045 A 19980203; EP 98908046 A 19980203; JP 53374098 A 19980203; JP 53374198 A 19980203; JP 53374298 A 19980203; JP 53374398 A 19980203; JP 53374498 A 19980203; JP 53374598 A 19980203; US 35588599 A 19990804; US 36703199 A 19990805; US 36706399 A 19990805; US 36713199 A 19990805; US 36713399 A 19990805; US 36714499 A 19990805