

Title (en)  
DEVICE FOR TRANSPORTING A FLAT SECTION OF A PRODUCT

Title (de)  
VORRICHTUNG ZUM TRANSPORT EINES FLÄCHIGEN WARENSTÜCKES

Title (fr)  
DISPOSITIF DE TRANSPORT D'UN SEGMENT PLAT DE BANDE DE MATIERE

Publication  
**EP 1244593 B1 20080402 (DE)**

Application  
**EP 00991537 A 20001219**

Priority

- DE 0004558 W 20001219
- DE 10000262 A 20000106
- DE 10019383 A 20000419

Abstract (en)

[origin: US2002026861A1] An apparatus for cutting sheets from an elongated workpiece is operated by first closing a pair of grippers on a workpiece leading end in an upper station and then cutting off the leading end of the workpiece to leave a sheet held in the grippers. The grippers holding the sheet are then moved downward and in an output direction to align the sheet with an output plane and pass the sheet to an output conveyor. The grippers are then opened to release the cut-off sheet to the output conveyor for displacement of the sheet away in the output direction. Then the upper gripper is moved downstream in the output direction until it is out from underneath the input station and the lower gripper is moved oppositely upstream in the output direction until it is out from underneath the released sheet on the output conveyor. The upper gripper is moved upward to immediately above the upper plane and the lower gripper upward to immediately below the upper plane. Finally the upper gripper is moved upstream in the output direction until it is above the input station and the lower gripper is moved downstream in the output direction until it is underneath the input station. After the sheet has been moved out of the input station the leading end of the workpiece is advanced on the input plane into the input station so the cycle can be repeated.

IPC 8 full level  
**B65H 35/00** (2006.01); **A41H 43/02** (2006.01); **B65H 20/18** (2006.01); **B65H 35/04** (2006.01); **D05B 33/00** (2006.01)

CPC (source: EP KR US)  
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C-Set (source: EP US)

1. **B65H 2301/44718 + B65H 2220/02**
2. **B65H 2301/4473 + B65H 2220/01**

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

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**US 2002026861 A1 20020307; US 6601489 B2 20030805**; AR 026800 A1 20030226; AT E391102 T1 20080415; AU 3359401 A 20010731; AU 770405 B2 20040219; BR 0016925 A 20021119; BR 0016925 B1 20090505; CN 1227148 C 20051116; CN 1420835 A 20030528; CZ 20022242 A3 20040317; DE 10000262 A1 20010719; DE 10000262 C2 20020829; DE 10019383 A1 20011025; DE 10019383 B4 20050616; DE 50015082 D1 20080515; EE 04637 B1 20060615; EE 200200257 A 20030616; EG 23020 A 20031231; EP 1244593 A2 20021002; EP 1244593 B1 20080402; ES 2299444 T3 20080601; HR P20020290 A2 20030630; HR P20020290 B1 20080630; HU P0203861 A2 20030528; JP 2001253632 A 20010918; JP 4716153 B2 20110706; KR 100633976 B1 20061016; KR 20020071920 A 20020913; LT 2002049 A 20021025; LT 4971 B 20021125; LV 12842 B 20021020; MX PA02000996 A 20021031; MY 128275 A 20070131; PL 208663 B1 20110531; PL 357386 A1 20040726; PT 1244593 E 20080513; RS 49961 B 20080929; SI 20869 A 20021031; SI 20869 B 20080831; TR 200200079 T2 20020923; TW 512122 B 20021201; WO 0153181 A2 20010726; WO 0153181 A3 20011129; WO 0153181 A8 20020411; YU 92101 A 20030228

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**US 75560301 A 20010105**; AR P010100049 A 20010105; AT 00991537 T 20001219; AU 3359401 A 20001219; BR 0016925 A 20001219; CN 00818266 A 20001219; CZ 20022242 A 20001219; DE 0004558 W 20001219; DE 10000262 A 20000106; DE 10019383 A 20000419; DE 50015082 T 20001219; EE P200200257 A 20001219; EG 20010007 A 20010103; EP 00991537 A 20001219; ES 00991537 T 20001219; HR P20020290 A 20020405; HU P0203861 A 20001219; JP 2000404713 A 20001228; KR 20027008725 A 20020705; LT 2002049 A 20020426; LV 020032 A 20020305; MX PA02000996 A 20001219; MY PI20010033 A 20010104; PL 35738600 A 20001219; PT 00991537 T 20001219; SI 200020065 A 20001219; TR 200200079 T 20001219; TW 89127607 A 20001222; YU P92101 A 20001219