

Title (en)  
Press with table- and feeding system

Title (de)  
Presse mit einem Tafelanlage- und Vorschubsystem

Title (fr)  
Presse avec table- et système d'alimentation

Publication  
**EP 0616861 B2 20000927 (DE)**

Application  
**EP 94103285 A 19940304**

Priority  
DE 4309949 A 19930326

Abstract (en)  
[origin: EP0616861A1] Two numerically controlled feed devices are used in succession, the second taking over from the first feed device when two or more punching steps have already been completed. The first punching step on a new sheet is carried out with the rear row of tools of the presses simultaneously with the last punching step for the preceding sheet by the front rows of tools. Sensors (80, 82, 84, 86) determine the length and/or angularity of the cut edges in the sheet and allow the calculation of correction data for the advance of the sheets, and initial and through punching at front and rear edges is thereby avoided. <IMAGE>

IPC 1-7  
**B21D 43/10**; **B21D 43/00**

IPC 8 full level  
**B21D 28/04** (2006.01); **B21D 28/06** (2006.01); **B21D 28/08** (2006.01); **B21D 43/00** (2006.01); **B21D 43/08** (2006.01); **B21D 43/10** (2006.01); **B26D 5/32** (2006.01); **B26F 1/02** (2006.01)

CPC (source: EP US)  
**B21D 28/06** (2013.01 - EP US); **B21D 43/003** (2013.01 - EP US); **B21D 43/10** (2013.01 - EP US); **B26D 5/32** (2013.01 - EP US); **B26F 1/02** (2013.01 - EP US); **Y10T 83/445** (2015.04 - EP US); **Y10T 83/4463** (2015.04 - EP US); **Y10T 83/4632** (2015.04 - EP US); **Y10T 83/464** (2015.04 - EP US); **Y10T 83/531** (2015.04 - EP US); **Y10T 83/536** (2015.04 - EP US)

Citation (opposition)  
Opponent :  

- US 3153533 A 19641020 - ABRAHAM NOVICK
- DE 1147556 B 19630425 - WEINGARTEN AG MASCHF
- US 4436007 A 19840313 - RUSSON DARREL L [US], et al
- WO 9109696 A1 19910711 - AMADA CO LTD [JP]
- Auftragbestätigung der Krupp Maschinentechnik GmbH, Helenastr.149, 4300 Essen 1,De, vom 24.10.91 an die Firma N.V.Sobemi, B-2547 Lint Poort 5,BE, einschliesslich Anlage 1 Spezifikation (2+12 Seiten)

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WO2015181672A1; CN103752671A; DE102006014454B3; EA014847B1; EP3031546A1; US8272244B2; WO2007113120A1

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**EP 0616861 A1 19940928**; **EP 0616861 B1 19971217**; **EP 0616861 B2 20000927**; DE 59404380 D1 19971127; DE 59404798 D1 19980129; EP 0616860 A1 19940928; EP 0616860 B1 19971022; ES 2109528 T3 19980116; ES 2111786 T3 19980316; ES 2111786 T5 20001216; JP 3650417 B2 20050518; JP 3653108 B2 20050525; JP H06297059 A 19941025; JP H06297060 A 19941025; US 5577427 A 19961126; US 5878640 A 19990309

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**EP 94103285 A 19940304**; DE 59404380 T 19940304; DE 59404798 T 19940304; EP 94103284 A 19940304; ES 94103284 T 19940304; ES 94103285 T 19940304; JP 8399994 A 19940328; JP 8400094 A 19940328; US 21552094 A 19940322; US 69717496 A 19960820