

Title (en)
PRESS FOR PROCESSING ANY TYPE OF MATERIAL

Title (de)
PRESSE ZUM BEARBEITEN VON MATERIAL BELIEBIGER ART

Title (fr)
PRESSE DE TRAITEMENT DE TOUS TYPES DE MATERIAUX

Publication
EP 1485245 A1 20041215 (DE)

Application
EP 03709625 A 20030218

Priority
• DE 0300490 W 20030218
• DE 10212730 A 20020321

Abstract (en)
[origin: WO03080323A1] The invention relates to a press for processing, such as pressing and/or shearing, any type of material (3), particularly scrap metal or metal wastes, comprising: a bed (1) for filling and strand-like compacting and feeding this material (3); a downward-located column (2) having at least one stamper (2.2), which is guided inside the column while being driven by a second hydraulic cylinder (2.2.2) attached to a crosshead (2.1) of the column (2); at least one third hydraulic cylinder (2.4.2), and; a hydraulic control (5) provided with a control block (7) and pipes (6). This press should, in order to increase its overall efficiency, improve the feeding/loading of the material (3) to be processed, ensure a largely coordinated execution of the functional steps, optimize the kinematic sequence of the functional elements and the expenditure of energy therefor, have a reduced loading height and bed length, check the state of wear and monitor the operating state both of the kinematic sequences as well as of the hydraulic system while making them visible to the press operator whereby, all in all, increasing the availability of the press, the intensity of the processing of the material (3) and the output quota thereof from the press.

IPC 1-7
B30B 9/32

IPC 8 full level
B30B 9/32 (2006.01)

CPC (source: EP KR US)
B30B 9/32 (2013.01 - KR); **B30B 9/326** (2013.01 - EP US)

Citation (search report)
See references of WO 03080323A1

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

DOCDB simple family (publication)
WO 03080323 A1 20031002; AT E468964 T1 20100615; AU 2003214004 A1 20031008; BR 0308595 A 20050209; CA 2479689 A1 20031002; CN 1321806 C 20070620; CN 1642722 A 20050720; DE 10212730 A1 20040212; DE 10391685 B4 20060420; DE 10391685 D2 20050224; DE 50312752 D1 20100708; DK 1820631 T3 20100809; EA 006692 B1 20060224; EA 200401087 A1 20050428; EP 1485245 A1 20041215; EP 1820631 A2 20070822; EP 1820631 A3 20090325; EP 1820631 B1 20100526; ES 2344125 T3 20100818; GE P20074187 B 20070827; HR P20040978 A2 20041231; HR PK20040978 B3 20060228; IS 7428 A 20040830; JP 2005526622 A 20050908; KR 20040111416 A 20041231; MX PA04009087 A 20050713; NO 20044430 L 20041214; PL 371579 A1 20050627; PT 1820631 E 20100804; UA 77497 C2 20061215; US 2005223915 A1 20051013; YU 82204 A 20060303; ZA 200408483 B 20050727

DOCDB simple family (application)
DE 0300490 W 20030218; AT 07008281 T 20030218; AU 2003214004 A 20030218; BR 0308595 A 20030218; CA 2479689 A 20030218; CN 03806641 A 20030218; DE 10212730 A 20020321; DE 10391685 T 20030218; DE 50312752 T 20030218; DK 07008281 T 20030218; EA 200401087 A 20030218; EP 03709625 A 20030218; EP 07008281 A 20030218; ES 07008281 T 20030218; GE AU2003008455 A 20030218; HR P20040978 A 20041018; IS 7428 A 20040830; JP 2003578129 A 20030218; KR 20047014612 A 20030218; MX PA04009087 A 20030218; NO 20044430 A 20041019; PL 37157903 A 20030218; PT 07008281 T 20030218; UA 20040907423 A 20030218; US 50862705 A 20050513; YU P82204 A 20030218; ZA 200408483 A 20041020