

Title (en)  
SCREW PRESS

Publication  
**EP 0301000 B1 19911016 (EN)**

Application  
**EP 87901711 A 19870216**

Priority  
SE 8601152 A 19860312

Abstract (en)  
[origin: WO8705619A1] A screw press, which compresses and dewateres more or less moist cellulose-containing and/or fibrous materials in pieces, e.g. waste paper, wood, grass, straw and other harvest products, cellulose, peat, bark and the like, includes a feed device (2) having an input portion (3) for material, which is to be compressed, and at least one first pressure cone (13) for a forceful compressing of the material, a discharge opening (26) for the compressed and dewatered product, a rotary screw (11), which extends from the input portion at least into said first pressure cone (13) as well as driving means (8, 9) to make the screw rotate. The core (27) of the screw and/or its thread (28) is eccentric in relation to the rotation axis (30) of the screw and in relation to the mean screw line of the core respectively, in at least some of the thread turns in one zone (V) of said first pressure cone, and the jacket of this pressure cone (13) is impermeable in said zone (V).

IPC 1-7  
**B30B 9/14**; **B30B 11/24**; **C10F 5/04**

IPC 8 full level  
**B30B 9/12** (2006.01); **B30B 9/14** (2006.01); **B30B 11/24** (2006.01); **C10F 5/04** (2006.01)

IPC 8 main group level  
**B30B** (2006.01); **C10F** (2006.01)

CPC (source: EP)  
**B30B 9/12** (2013.01); **B30B 9/121** (2013.01)

Cited by  
US5611268A; US5452492A; US5768744A

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

DOCDB simple family (publication)  
**WO 8705619 A1 19870924**; AT E68515 T1 19911115; AU 7128187 A 19871009; DE 3773927 D1 19911121; DK 167934 B1 19940103; DK 592187 A 19871112; DK 592187 D0 19871112; EP 0301000 A1 19890201; EP 0301000 B1 19911016; FI 884188 A0 19880912; FI 884188 A 19880912; FI 92478 B 19940815; FI 92478 C 19941125; NO 168430 B 19911111; NO 168430 C 19920219; NO 874588 D0 19871103; NO 874588 L 19871103; SE 452331 B 19871123; SE 8601152 D0 19860312; SE 8601152 L 19870913

DOCDB simple family (application)  
**SE 8700075 W 19870216**; AT 87901711 T 19870216; AU 7128187 A 19870216; DE 3773927 T 19870216; DK 592187 A 19871112; EP 87901711 A 19870216; FI 884188 A 19880912; NO 874588 A 19871103; SE 8601152 A 19860312