

Title (en)  
WORM PRESS

Title (de)  
SCHNECKENPRESSE

Title (fr)  
PRESSE A VIS

Publication  
**EP 0822893 B1 19981104 (DE)**

Application  
**EP 96910849 A 19960426**

Priority  

- AT 9600083 W 19960426
- AT 72695 A 19950427
- AT 72795 A 19950427

Abstract (en)  
[origin: WO9633861A1] The invention concerns a device for obtaining oils by pressing and subjecting to extraction a raw material which is oleiferous or contains extractable substances in the presence of a liquid or supercritical extraction medium. The device comprises a raw material delivery line, a substantially cylindrical pressure member which is connected to the delivery line and has oil outlets, and a pressure worm which is movably mounted in the cylindrical pressure member and conveys the raw material out of the delivery line into the pressure member and from there, under pressure, to an outlet opening. The device is characterized in that the pressure member is sealed against the atmosphere in a pressure-resistant manner by a casing, and in that the pressure worm and/or the pressure member comprises/comprise openings through which a pressurized liquid extraction agent can be introduced into the raw material in the pressure member. In order to enable the pressed cakes emerging from the press to be degassed by the application of a vacuum and so freed of solvent, a pipe may be located at the pressure member outlet.

IPC 1-7  
**B30B 9/12; C11C 3/10**

IPC 8 full level  
**B30B 9/14** (2006.01); **B30B 9/12** (2006.01); **C11B 1/06** (2006.01); **C11B 1/10** (2006.01); **C11C 3/10** (2006.01)

CPC (source: EP US)  
**B30B 9/12** (2013.01 - EP US); **C11C 3/003** (2013.01 - EP US); **C11C 3/10** (2013.01 - EP US)

Citation (examination)  

- DE 3016877 A1 19811105 - KRUPP GMBH [DE]
- EP 0129739 B1 19870506
- M. Bockisch;" Nahrungsfette und Öle",Ulmer, 1993, Stuttgart, S318-323 und S. 344-349

Cited by  
CN102602022A; DE102005019294A1; DE102007014775A1; DE102007014775B4

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

DOCDB simple family (publication)  
**WO 9633861 A1 19961031**; AT E172913 T1 19981115; AU 5413196 A 19961118; BR 9608146 A 19990209; DE 59600783 D1 19981210; EP 0822893 A1 19980211; EP 0822893 B1 19981104; EP 0822893 B2 20050413; ES 2123345 T3 19990101; JP 3842819 B2 20061108; JP H11504057 A 19990406; US 5939571 A 19990817

DOCDB simple family (application)  
**AT 9600083 W 19960426**; AT 96910849 T 19960426; AU 5413196 A 19960426; BR 9608146 A 19960426; DE 59600783 T 19960426; EP 96910849 A 19960426; ES 96910849 T 19960426; JP 53203196 A 19960426; US 94544497 A 19971027