

Title (en)
Screw press

Title (de)
Schneckenpresse

Title (fr)
Presse à vis

Publication
EP 1759831 A1 20070307 (EN)

Application
EP 05077011 A 20050902

Priority
EP 05077011 A 20050902

Abstract (en)
A multi purpose screw press (1) is disclosed for separating materials with a composition of liquid and solid matter into a substantially solid part and a substantially liquid part. The cross-sectional diameter of at least a section of the shaft (12) of the screw is substantially increasing in the longitudinal direction from the feeder to a solid matter outlet end (6) of the cylinder, and the press has means for changing the mutual longitudinal position of the solid matter outlet end of the cylindrical portion and the section of the screw conveyor where the cross-sectional diameter of the shaft (12) is substantially increasing, thereby changing the area between the shaft and the solid matter outlet (6) and thus the total compression of the substance.

IPC 8 full level
B30B 9/18 (2006.01); **B30B 9/12** (2006.01)

CPC (source: EP)
B30B 9/122 (2013.01); **B30B 9/124** (2013.01); **B30B 9/125** (2013.01); **B30B 9/18** (2013.01); **B30B 9/26** (2013.01)

Citation (applicant)
• WO 9837942 A1 19980903 - ANTONIS MATHEUS EVERARDUS [NL]
• US 6505550 B2 20030114 - HAMILTON ROBIN [GB]

Citation (search report)
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• [Y] FR 2324446 A1 19770415 - PERA DIDIER [FR]
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• [A] WO 0162482 A1 20010830 - GRADIENT ASS [FR], et al
• [Y] PATENT ABSTRACTS OF JAPAN vol. 018, no. 229 (M - 1598) 26 April 1994 (1994-04-26)
• [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03 31 March 1997 (1997-03-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 346 (M - 1286) 27 July 1992 (1992-07-27)

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

Designated extension state (EPC)
AL BA HR MK YU

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