

Title (en)
SCREW FOR A SCREW-TYPE SOLID BOWL CENTRIFUGE AND METHOD FOR PRODUCING OIL USING SUCH A SCREW-TYPE SOLID BOWL CENTRIFUGE

Title (de)
SCHNECKE FÜR EINE VOLLMANTEL-SCHNECKENZENTRIFUGE UND VERFAHREN ZUR ÖLGEWINNUNG MIT EINER VOLLMANTEL-SCHNECKENZENTRIFUGE

Title (fr)
VIS SANS FIN POUR CENTRIFUGEUSE A VIS A BOL PLEIN ET PROCEDE D'EXTRACTION D'HUILE AU MOYEN D'UNE CENTRIFUGEUSE A VIS A BOL PLEIN

Publication
EP 1337343 B1 20050209 (DE)

Application
EP 01993375 A 20011018

Priority
• DE 10055798 A 20001110
• EP 0112069 W 20011018

Abstract (en)
[origin: WO0238278A1] The invention relates to a screw for a screw-type solid bowl centrifuge that is characterized in that additional leaf segments (29) are disposed in some sections of the conveyor path (7) between adjacent spirals (x, x+1,). The screw leaf (5), in the area of the screw leaf segments (29), is preferably provided with recesses (27) that are adapted to allow the material to be extracted (S) to pass between adjacent spirals (x, x+1,). The screw according to the invention is especially suitable for use in a method for producing oil from fruit and seeds and for better dehydrating and/or decoiling mashes of organic materials (for example mashed seeds, fruit pulp, animal tissues such as fish, egg, fatty tissue cells).

IPC 1-7
B04B 1/20

IPC 8 full level
B04B 1/20 (2006.01)

CPC (source: EP US)
B04B 1/20 (2013.01 - EP US); **B04B 2001/205** (2013.01 - EP US); **Y10S 494/901** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 0238278 A1 20020516; AR 031307 A1 20030917; AT E288790 T1 20050215; DE 10055798 A1 20020523; DE 50105332 D1 20050317; DK 1337343 T3 20050530; EP 1337343 A1 20030827; EP 1337343 B1 20050209; ES 1048837 U 20011001; ES 1048837 Y 20020216; ES 2233712 T3 20050616; JP 2004512945 A 20040430; PT 1337343 E 20050429; US 2003129042 A1 20030710; US 6908423 B2 20050621

DOCDB simple family (application)
EP 0112069 W 20011018; AR P010105218 A 20011107; AT 01993375 T 20011018; DE 10055798 A 20001110; DE 50105332 T 20011018; DK 01993375 T 20011018; EP 01993375 A 20011018; ES 01993375 T 20011018; ES 200100838 U 20010404; JP 2002540851 A 20011018; PT 01993375 T 20011018; US 31187402 A 20021220