

Title (en)
GRANULATING DEVICE WITH A CUTTING ROTOR

Title (de)
GRANULIERVORRICHTUNG MIT SCHNEIDROTOR

Title (fr)
APPAREIL DE GRANULATION COMPORTANT UN ROTOR COUPANT

Publication
EP 1053083 A1 20001122 (DE)

Application
EP 99946138 A 19990907

Priority
• DE 19855617 A 19981202
• EP 9906572 W 19990907

Abstract (en)
[origin: DE19855617A1] A granulating device for separating strands of plastic fibers into pellets, comprising a feed device for said strands and a cutting rotor that is rotated by means of a drive system and has cutting blades that are arranged on the outer casing of the rotor. The bottoms of the cutting blades are disposed in grooves in the body of the rotor. Each cutting blade has at least one recess that is parallel to the cutting edge. Said recess is covered by the groove and cooperates with a clamping element that is maintained against the body of the rotor. The clamping element consists of a slotted clamping sleeve. The cylindrical outer contour of the clamping element is conformal with the recess of the cutting blade.

IPC 1-7
B26D 7/26; **B27G 13/04**; **B02C 18/18**; **B29B 9/06**; **B23C 5/22**

IPC 8 full level
B26D 1/36 (2006.01); **B02C 18/18** (2006.01); **B23C 5/22** (2006.01); **B26D 7/26** (2006.01); **B27G 13/04** (2006.01); **B29B 9/06** (2006.01); **B29K 101/00** (2006.01)

CPC (source: EP KR US)
B02C 18/148 (2013.01 - EP US); **B02C 18/186** (2013.01 - EP US); **B26D 7/26** (2013.01 - KR); **B26D 7/2614** (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

DOCDB simple family (publication)
US 6386469 B1 20020514; AT E283152 T1 20041215; BR 9908549 A 20001128; CA 2319804 A1 20000608; CA 2319804 C 20070501; CN 1239299 C 20060201; CN 1289283 A 20010328; DE 19855617 A1 20000608; DE 19855617 C2 20030717; DE 59911143 D1 20041230; EP 1053083 A1 20001122; EP 1053083 B1 20041124; ES 2228101 T3 20050401; JP 2002531283 A 20020924; JP 4092677 B2 20080528; KR 100567452 B1 20060404; KR 20010040529 A 20010515; TW 434129 B 20010516; WO 0032367 A1 20000608

DOCDB simple family (application)
US 60145200 A 20000921; AT 99946138 T 19990907; BR 9908549 A 19990907; CA 2319804 A 19990907; CN 99802598 A 19990907; DE 19855617 A 19981202; DE 59911143 T 19990907; EP 9906572 W 19990907; EP 99946138 A 19990907; ES 99946138 T 19990907; JP 2000585041 A 19990907; KR 20007008394 A 20000801; TW 88117938 A 19991016