

Title (en)

ROTOR CUTTER FOR CUTTING UP WASTE, IN PARTICULAR BULKY ITEMS

Title (de)

ROTORSCHERE ZUM ZERKLEINERN VON INSBESONDERE SPERRIGEN ABFÄLLEN

Title (fr)

ENSEMBLE DE COUPE A ROTORS POUR DECHIQUETER DES DECHETS, NOTAMMENT DES DECHETS VOLUMINEUX

Publication

EP 0768920 B1 20000802 (DE)

Application

EP 95924833 A 19950630

Priority

- DE 9500833 W 19950630
- DE 4423424 A 19940706

Abstract (en)

[origin: US6024312A] A rotor shear for comminuting particularly bulky waste materials is formed by two cutting rotors (2) combing each other, disposed parallel to each other, supported in a housing (1), and each driven in an opposite direction. Each cutting rotor (2) comprises spacer rings (4) and rotor disks (5) furnished with cutting teeth (6). A face of a front flank (61) of at least one cutting tooth (6) is furnished with geometrically staggered and/or angled partial faces (65). The spacer rings (4) and the rotor disks (5) are disposed on shafts (3). Wear disks (7) are coordinated to outer rotor disks (5) with corresponding circumferences and are connected to the shaft (3). The cutting teeth (6) operate against the circumference of the spacer rings (4) disposed between the rotor disks (5). At least one support device/stripper device (8) is coordinated with at least one shaft (3), where support parts (81) and stripper parts (82) of the support device/stripper device (8) are functionally separated.

IPC 1-7

B02C 18/14; **B02C 18/18**

IPC 8 full level

B02C 18/00 (2006.01); **B02C 18/14** (2006.01); **B02C 18/18** (2006.01)

CPC (source: EP KR US)

B02C 18/142 (2013.01 - EP KR US); **B02C 18/182** (2013.01 - EP KR US)

Cited by

CN110102382A; RU2470776C2; DE10056637B4; DE102004052969B4; WO0240169A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9601149 A1 19960118; AT E195080 T1 20000815; CZ 1897 A3 19971112; CZ 291517 B6 20030312; DE 4423424 A1 19960208; DE 4423424 C2 20020314; DE 59508614 D1 20000907; DK 0768920 T3 20001204; EP 0768920 A1 19970423; EP 0768920 B1 20000802; HU 220979 B1 20020729; HU 9700021 D0 19970228; HU T76912 A 19971229; JP H10504759 A 19980512; KR 970704520 A 19970906; RU 2140822 C1 19991110; SK 1497 A3 19970709; SK 283116 B6 20030204; US 6024312 A 20000215

DOCDB simple family (application)

DE 9500833 W 19950630; AT 95924833 T 19950630; CZ 1897 A 19950630; DE 4423424 A 19940706; DE 59508614 T 19950630; DK 95924833 T 19950630; EP 95924833 A 19950630; HU 9700021 A 19950630; JP 50361996 A 19950630; KR 19970700028 A 19970106; RU 97102104 A 19950630; SK 1497 A 19950630; US 61776296 A 19960306