

Title (en)
Shredder device

Title (de)
Zerkleinerungsvorrichtung

Title (fr)
Dispositif à broyer

Publication
EP 1304169 A3 20030813 (DE)

Application
EP 02022047 A 20021001

Priority
• DE 20117145 U 20011018
• DE 20201236 U 20020128

Abstract (en)
[origin: US2003075628A1] The invention relates to a crusher apparatus, in particular for industrial waste and domestic waste-like materials, comprising a slowly running crusher roll which carries crusher tools distributed over the periphery and comprising counter-blade tools cooperating with the crusher tools which are arranged on a counter-blade tool carrier. In accordance with the invention, the crusher tools on the crusher roll and the counter-blade tools on the counter-blade tool are identical.

IPC 1-7
B02C 18/14; **B02C 18/16**; **B02C 18/18**; **B02C 18/40**

IPC 8 full level
B02C 18/14 (2006.01); **B02C 18/16** (2006.01); **B02C 18/18** (2006.01)

CPC (source: EP US)
B02C 18/0084 (2013.01 - EP US); **B02C 18/141** (2013.01 - EP US); **B02C 18/145** (2013.01 - EP US); **B02C 18/16** (2013.01 - EP US);
B02C 18/18 (2013.01 - EP US); **B02C 2018/188** (2013.01 - EP US)

Citation (search report)
• [XY] US 5402948 A 19950404 - KACZMAREK AL [US]
• [XY] US 6094795 A 20000801 - DAVENPORT RICKY W [US]
• [Y] DE 9017301 U1 19910314
• [A] DE 9421212 U1 19950817 - JAHN RICHARD DIPL ING FH [DE]
• [A] EP 0208806 A2 19870121 - STIEFEL JAKOB
• [A] EP 0767004 A1 19970409 - HOLZ METALL ABFALL RECYCLINGTE [DE]

Cited by
EP1927402A1; DE202004001956U1; NL2009580C2; US9168535B2; US7882958B2; US7938350B2; WO2012007153A1; DE202010010294U1;
US9511375B2; EP1789196B1

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

DOCDB simple family (publication)
US 2003075628 A1 20030424; AT E276832 T1 20041015; DE 20201236 U1 20020829; DE 50201080 D1 20041028; DK 1304169 T3 20050110;
EP 1304169 A2 20030423; EP 1304169 A3 20030813; EP 1304169 B1 20040922; ES 2229041 T3 20050416

DOCDB simple family (application)
US 27393302 A 20021018; AT 02022047 T 20021001; DE 20201236 U 20020128; DE 50201080 T 20021001; DK 02022047 T 20021001;
EP 02022047 A 20021001; ES 02022047 T 20021001