

Title (en)

MATERIAL CRUSHING PROCESS AND DEVICE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZERKLEINERN VON MATERIALIEN

Title (fr)

PROCEDE ET DISPOSITIF DE BROyage DE MATERIAUX

Publication

EP 0714322 B1 19970502 (DE)

Application

EP 94924882 A 19940818

Priority

- DE 4328398 A 19930824
- DE 4408964 A 19940316
- EP 9402741 W 19940818

Abstract (en)

[origin: US5685499A] PCT No. PCT/EP94/02741 Sec. 371 Date Mar. 25, 1996 Sec. 102(e) Date Mar. 25, 1996 PCT Filed Aug. 18, 1994 PCT Pub. No. WO95/05898 PCT Pub. Date Mar. 2, 1995A material comminution device has a housing. Cutters extend within the housing and move toward each other in a scissor-like manner. The cutters extend parallel to each other along a bottom portion and diverge along a top portion, and consist of comb-like rows of spaced blades that mesh with each other. The blades carry out at the same time a shearing movement and a swivelling movement around an axis by means of a crank mechanism.

IPC 1-7

B02C 18/02

IPC 8 full level

B02C 18/02 (2006.01)

CPC (source: EP KR US)

B02C 18/02 (2013.01 - EP US); **B02C 18/04** (2013.01 - KR)

Cited by

DE102019109984B3; WO2020211909A1; DE202019102164U1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 5685499 A 19971111; AT E152373 T1 19970515; AU 681902 B2 19970911; AU 7499894 A 19950321; BR 9407568 A 19961231; CA 2169545 A1 19950302; CN 1131918 A 19960925; DE 4408964 A1 19950302; DE 59402617 D1 19970605; DE 9413056 U1 19941027; EP 0714322 A1 19960605; EP 0714322 B1 19970502; ES 2102243 T3 19970716; FI 960835 A0 19960223; FI 960835 A 19960223; JP 3252912 B2 20020204; JP H09503429 A 19970408; KR 960703675 A 19960831; NO 308832 B1 20001106; NO 960676 D0 19960221; NO 960676 L 19960221; SG 46444 A1 19980220; WO 9505898 A1 19950302

DOCDB simple family (application)

US 59637496 A 19960325; AT 94924882 T 19940818; AU 7499894 A 19940818; BR 9407568 A 19940818; CA 2169545 A 19940818; CN 94193510 A 19940818; DE 4408964 A 19940316; DE 59402617 T 19940818; DE 9413056 U 19940316; EP 9402741 W 19940818; EP 94924882 A 19940818; ES 94924882 T 19940818; FI 960835 A 19960223; JP 50733195 A 19940818; KR 19960700886 A 19960223; NO 960676 A 19960221; SG 1996004730 A 19940818