

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