

Title (en)

DEVICE FOR REDUCING STEEL OR METAL CHIPS

Title (de)

VORRICHTUNG ZUM ZERKLEINERN VON STAHL- ODER METALLSPÄNEN

Title (fr)

DISPOSITIF PERMETTANT DE BROYER DES COPEAUX D'ACIER OU DE METAL

Publication

**EP 0717663 B1 19980318 (DE)**

Application

**EP 94927472 A 19940913**

Priority

- DE 9401052 W 19940913
- DE 4330882 A 19930913

Abstract (en)

[origin: US5785261A] PCT No. PCT/DE94/01052 Sec. 371 Date Apr. 25, 1996 Sec. 102(e) Date Apr. 25, 1996 PCT Filed Sep. 13, 1994 PCT Pub. No. WO95/07757 PCT Pub. Date Mar. 23, 1995A device for reducing steel or metal chips from material removing machining which has a tapered milling hopper connected with a feed hopper and a cutter head shaft having a rotating cutter head. The milling hopper has tearing units mounted at varying heights around its circumference, a milling mechanism arranged beneath the milling hopper, and an outlet channel in the lower region of the milling hopper but above the opening of a chip discharge sheet which can be opened and closed by means of a powered channel slide. In the open position of the powered channel the powered channel provides access to a recess in the discharge channel which is connected a coarse material ejection sheet running obliquely outwards. The milling mechanism connects of at least two superimposed annular milling discs which can be rotating shearing head with shearing blades about its circumference and spaced shearing grooves.

IPC 1-7

**B02C 18/22**; **B02C 18/12**

IPC 8 full level

**B02C 18/00** (2006.01); **B02C 18/12** (2006.01); **B02C 18/22** (2006.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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**US 5785261 A 19980728**; CA 2171642 A1 19950323; CA 2171642 C 20001128; DE 4330882 A1 19950316; DE 59405492 D1 19980423; EP 0717663 A1 19960626; EP 0717663 B1 19980318; JP H09502392 A 19970311; WO 9507757 A1 19950323

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