Title (en)

METHOD AND DEVICE FOR REDUCING CUTTINGS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ZERKLEINERN VON SPÄNEN

Title (fr)

PROCEDE ET DISPOSITIF POUR BROYER DES COPEAUX

Publication

EP 1255612 B1 20040128 (DE)

Application

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Priority

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• EP 0101620 W 20010214

Abstract (en)

[origin: US2002175234A1] A method and two apparatuses for comminuting chips are presented. Chip breakers without a coarse-part ejecting element are often used for comminuting chips. Blocking constituents therefore have to be removed with great effort, for example by hand. If a coarse-part ejecting element is present, there is no differentiation between blocking hard parts and blocking clumps of chips, but instead both types are ejected. It is now envisaged to subdivide blocking constituents in horizontal chip breakers into categories, depending on the negative acceleration of the shaft (3, 17, 18) caused by the blocking, and to assign to each category a defined reversing operation for loosening the blocking constituents and, if appropriate, discharge from the comminuting space (1, 15) by means of a coarse-part ejecting element (12, 32).

IPC 1-7

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CPC (source: EP KR US)

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US 2002175234 A1 20021128; **US 6736342 B2 20040518**; AT E258463 T1 20040215; AU 4239601 A 20010827; BR 0108390 A 20030318; BR 0108390 B1 20091201; CA 2399948 A1 20010823; CA 2399948 C 20080115; CN 1400926 A 20030305; CZ 20023096 A3 20030312; CZ 298695 B6 20071227; DE 10006757 C1 20010517; DE 50101396 D1 20040304; EP 1255612 A1 20021113; EP 1255612 B1 20040128; ES 2213690 T3 20040901; JP 2003525108 A 20030826; KR 20020082849 A 20021031; MX PA02007808 A 20040910; WO 0160522 A1 20010823

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