

Title (en)

Knife ring cutter for cutting chips

Title (de)

Messerring-Zerspaner zum Zerspanen von Hackschnitzeln

Title (fr)

Déchiqueteuse à lames-couronne pour couper des copeaux

Publication

EP 1018414 B1 20040707 (DE)

Application

EP 00100016 A 20000103

Priority

- DE 19900566 A 19990109
- US 66714400 A 20000921

Abstract (en)

[origin: EP1018414A1] The cutter has a knife ring with knives and a rotor with blades (2.1). Rail-shaped splitting knives (2.2) are each fastened to a rotor blade via screws (2.4). Several screw connections for a knife have a common wedge part (2.5), which decreases in size in a radial outward direction. The part is a single strip. Each knife has bores (2.3) with radial axis, for the screws. The radial outer section of the blades is protected against wear by a wearing plate (2.6).

IPC 1-7

B27L 11/00; **B02C 13/28**

IPC 8 full level

B23C 3/28 (2006.01); **B02C 13/28** (2006.01); **B23C 5/08** (2006.01); **B27L 11/00** (2006.01)

CPC (source: EP US)

B02C 18/144 (2013.01 - EP US); **B02C 18/18** (2013.01 - EP US); **B27L 11/005** (2013.01 - EP US)

Cited by

FR2855077A1; BE1016648A5; CN105583444A

Designated contracting state (EPC)

BE ES FR GB IT

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EP 1018414 A1 20000712; **EP 1018414 B1 20040707**; BR 0000029 A 20001114; DE 19900566 A1 20000713; DE 19900566 B4 20050324; ES 2223316 T3 20050301; JP 2000198013 A 20000718; JP 4897134 B2 20120314; US 6558237 B1 20030506

DOCDB simple family (application)

EP 00100016 A 20000103; BR 0000029 A 20000110; DE 19900566 A 19990109; ES 00100016 T 20000103; JP 2000003032 A 20000111; US 66714400 A 20000921