

Title (en)
Milling roller

Title (de)
Mahlwalze

Title (fr)
Rouleau broyeur

Publication
EP 1502650 A1 20050202 (DE)

Application
EP 04016484 A 20040713

Priority
DE 10335115 A 20030731

Abstract (en)
The milling roll has a base component (10) and a number of wear protection elements (11-14) of hard metal which form at least a part of the roll surface. The base component of the roll has cut-outs (10.1,10.2,10.3) extending in the circumferential direction, and in each cut-out several wear protection elements are installed one behind the other in the circumferential direction. The cut-outs each extend over the whole circumference of the roll.

Abstract (de)
Die Erfindung betrifft eine Mahlwalze (1) mit einem Walzengrundkörper (10) sowie einer Vielzahl von Verschleißschutzelementen (11-14) aus Hartmetall, die zumindest einen Teil der Walzenoberfläche bilden. Der Walzengrundkörper (10) weist in Umfangsrichtung verlaufende Ausnehmungen (10.1,10.2,10.3) auf, wobei in jeder Ausnehmung mehrere Verschleißschutzelemente in Umfangsrichtung hintereinander angeordnet sind. <IMAGE>

IPC 1-7
B02C 4/30

IPC 8 full level
B02C 4/30 (2006.01)

CPC (source: EP US)
B02C 4/305 (2013.01 - EP US)

Citation (search report)
• [X] US 412558 A 18891008
• [X] DE 4400797 A1 19950720 - KRUPP POLYSIUS AG [DE]
• [A] EP 0699479 A1 19960306 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
• [DA] EP 0516952 A1 19921209 - KLOECKNER HUMBOLDT DEUTZ AG [DE]

Cited by
DE102016212239B4; DE102012102192B4; WO2013135540A1; WO2018007309A1; DE102007018090A1; CN104284729A; DE102015207927A1; DE102013110893B4; AU2014331412B2; RU2606791C2; DE102007004004B4; DE102013107798A1; DE102013114516A1; NL2020403B1; CN112218721A; US7497396B2; DE102013110893A1; WO2015049050A1; WO2019156558A1; DE102012102199A1; US11577254B2; DE102013114516B4; DE102016212239A1; WO2005049212A1; WO2020156948A1; WO2020156949A1; DE102012102192A1; WO2013135425A1; EP2825316B1

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EP 04016484 A 20040713; AU 2004203273 A 20040720; BR PI0403023 A 20040726; CA 2476153 A 20040730; CL 2004001815 A 20040720; DE 10335115 A 20030731; DE 502004010027 T 20040713; ES 04016484 T 20040713; PE 2004000727 A 20040727; US 89570704 A 20040721; ZA 200405585 A 20040714