

Title (en)  
IMPROVEMENTS TO CRUSHERS WITH RING-SHAPED TRACK AND ROLLER

Title (de)  
VERBESSERUNGEN AN RINGWALZENMÜHLEN

Title (fr)  
PERFECTIONNEMENTS AUX BROYEURS A PISTE ANNULAIRE ET ROULEAU

Publication  
**EP 1009529 B1 20030625 (FR)**

Application  
**EP 97918239 A 19970415**

Priority  
FR 9700682 W 19970415

Abstract (en)  
[origin: WO9846357A1] The invention concerns a crusher comprising a ring-shaped track with horizontal axis (14), a roller (16) rolling on said track, means for pressing the roller on the track and means (18) for displacing the material from one track edge to the other so that it passes several times under the roller before it is evacuated. In order to improve the efficacy of the roller and the distribution of mechanical stresses in the roller and the track, the track (14) and the roller (16) are so designed that the space between them decreases from the track (14) edge on the side supplying the material to be crushed up to a distance from said edge not less than 80 % the track width, and that this space then quickly increases to constitute a decompression zone (19) on the side where the material is evacuated.

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**B02C 15/06**

IPC 8 full level  
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**WO 9846357 A1 19981022**; AT E243563 T1 20030715; AU 2643997 A 19981111; CA 2285654 A1 19981022; CA 2285654 C 20030701; CZ 295375 B6 20050713; CZ 349299 A3 20000517; DE 69723115 D1 20030731; DE 69723115 T2 20040429; DK 1009529 T3 20030929; EP 1009529 A1 20000621; EP 1009529 B1 20030625; ES 2202603 T3 20040401; JP 2001518841 A 20011016; JP 3710829 B2 20051026; PL 186892 B1 20040331; PL 336308 A1 20000619; SK 139199 A3 20000516; UA 46143 C2 20020515; US 6138933 A 20001031

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