

Title (en)

Device for reprofiling of railway rail including collecting refuse

Title (de)

Vorrichtung zur Profilerneuerung von Eisenbahnschienen mit Einrichtung zum Einsammeln von Müll

Title (fr)

Dispositif de reprofilage des rails de chemins de fer avec captage des déchets

Publication

**EP 1764443 B1 20080514 (FR)**

Application

**EP 06018155 A 20060831**

Priority

CH 15212005 A 20050916

Abstract (en)

[origin: EP1764443A1] The reprofiling system, comprising at least one grinding tool (2) with an abrasive wheel (3), has a collector (20) for the waste material from the grinding operation, positioned so that its inlet (21) is in line with the main jet of waste (40). The collector's inner surface has a ceramic lining (24), preferably of silicon carbide, to absorb kinetic and thermal energy, and air and/or water nozzles (26) to cool the collector's inner walls. The collected waste is transported by a mechanical system to a storage unit.

IPC 8 full level

**E01B 31/17** (2006.01); **B24B 55/06** (2006.01)

CPC (source: EP KR US)

**B24B 5/00** (2013.01 - KR); **B24B 19/00** (2013.01 - KR); **B24B 19/004** (2013.01 - EP US); **B24B 55/06** (2013.01 - EP US); **E01B 31/17** (2013.01 - EP US)

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