

Title (en)  
Roll Shredder

Title (de)  
Walzenzerkleinerer

Title (fr)  
Déchiqueteur à rouleau

Publication  
**EP 0687503 B1 19991201 (DE)**

Application  
**EP 95107278 A 19950513**

Priority  
DE 9409707 U 19940616

Abstract (en)  
[origin: EP0687503A1] The shredder has shredding teeth (17) on the drum (16) which work with a mating tool, tilting on a spindle (18) parallel to the drum axis. These teeth are at the gaps between the drum teeth. A drive mechanism rotates the drum. The tool working with the drum is comb-shaped, with teeth (19) curved and unable to turn on the pivot spindle (18). These protrude towards the drum so as to form a tapering rolling gap. Adjusting motors (35) act on the spindle near its ends, pre-loading it against a stop (40), and holding the teeth in a predetermined working position in relation to the drum. The comb teeth can contain recesses at the side towards the drum teeth, accommodating toothed inserts of highly wear-resistant material. <IMAGE>

IPC 1-7  
**B02C 18/14**; **B02C 18/18**; **B02C 18/22**; **B02C 4/26**

IPC 8 full level  
**B02C 4/26** (2006.01); **B02C 18/14** (2006.01); **B02C 18/18** (2006.01); **B02C 18/22** (2006.01)

CPC (source: EP)  
**B02C 4/26** (2013.01); **B02C 18/145** (2013.01); **B02C 2018/188** (2013.01)

Cited by  
DE102011119595A1; CN110769937A; KR102211423B1; CN112203770A; GR1009215B; WO2011151442A2; EP2599554A2; US11484886B2; US11819856B2

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