

Title (en)

ROLLER CUTTING APPARATUS FOR THE SIZE REDUCTION OF BULKY REFUSE

Publication

EP 0208806 A3 19870916 (DE)

Application

EP 85109625 A 19850731

Priority

CH 310585 A 19850717

Abstract (en)

[origin: US4690337A] Two rolls which carry roll teeth rotate, as seen from their top side, in directions away from their common roll nip or gap towards adjacent hopper wall sections which carry hopper teeth. The refuse is thus loosened instead of being compacted in the common roll nip or gap, as in the prior art. The loosened material is more readily cut than the material which hitherto was compacted in the common roll gap. At a predetermined limiting load between the roll teeth and the hopper teeth, at least the hopper wall section which carries the affected hopper teeth, is retracted from the associated roll by a drive and from its operative position depicted on the right in FIG. 2 into an inoperative position depicted on the left in FIG. 2. The interfering material can fall through downwardly, whereupon the hopper wall section returns towards the associated roll into its operative position. No hopper blockage can occur.

IPC 1-7

B02C 18/14; **B02C 18/40**

IPC 8 full level

B02C 18/00 (2006.01); **B02C 18/14** (2006.01)

CPC (source: EP US)

B02C 18/0084 (2013.01 - EP US); **B02C 18/142** (2013.01 - EP US)

Citation (search report)

- DE 2049124 A1 19720413
- DE 2208537 B2 19790613
- DE 1507485 B2 19740418

Cited by

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