

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
CN103157538A; EP1304169A3

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0208806 A2 19870121; **EP 0208806 A3 19870916**; **EP 0208806 B1 19891011**; AT E47047 T1 19891015; CH 669340 A5 19890315; DE 3573537 D1 19891116; JP S6223456 A 19870131; US 4690337 A 19870901

DOCDB simple family (application)
EP 85109625 A 19850731; AT 85109625 T 19850731; CH 310585 A 19850717; DE 3573537 T 19850731; JP 16391986 A 19860714; US 80932685 A 19851216