

Title (en)  
DEVICE FOR COMMINUTING WASTE PAPER

Publication  
**EP 0190417 B1 19881130 (DE)**

Application  
**EP 85114600 A 19851116**

Priority  
DE 3500535 A 19850110

Abstract (en)  
[origin: EP0190417A2] 1. An apparatus (1) for shredding waste paper and like materials capable of being torn, by means of a rotor (6) which rotates with a horizontal axis inside a housing (2) and on the circumference of which, swinging beater knives (11) are disposed eccentrically to the rotor axis, which beater knives co-operate, along their beating circle, with a plurality of transverse rows of counterknives supported at the housing side and form a shredding path leading from an input region (4) to a discharge region (5), characterized in that the counterknives (18 to 25, 35 to 38) are adapted, at least in a region preceding the discharge region (5), to the rotational profile region defined by the beater knives (11) and rotor (6) except for a motion gap (39) precluding mutual contact, and in that the discharge region comprises an opening region (32) which cannot be covered.

IPC 1-7  
**B02C 13/04**; **B02C 13/28**; **D21D 1/32**; **B02C 13/288**

IPC 8 full level  
**B02C 13/04** (2006.01); **B02C 13/28** (2006.01); **B02C 13/288** (2006.01); **B02C 18/00** (2006.01); **B02C 18/14** (2006.01); **B02C 18/16** (2006.01); **B02C 18/18** (2006.01); **D21D 1/32** (2006.01)

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**B02C 18/0007** (2013.01); **B02C 18/14** (2013.01); **B02C 18/16** (2013.01); **B02C 18/18** (2013.01); **B02C 2018/188** (2013.01)

Citation (examination)  
Soviet Inventions Illustrated, Sekt. P,Q, Woche K 23, 2o Juli 1983. Derwent Publ. Ltd, London P41 & SU-948 421 (Sverd)

Cited by  
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**EP 0190417 A2 19860813**; **EP 0190417 A3 19860827**; **EP 0190417 B1 19881130**; AT E38946 T1 19881215; DE 3500535 A1 19860710; DE 3566504 D1 19890105

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