

Title (en)  
SHREDDER FOR BULKY AND/OR TOUGH MATERIAL

Publication  
**EP 0006261 B1 19820630 (FR)**

Application  
**EP 79200280 A 19790606**

Priority  
CH 670178 A 19780620

Abstract (en)  
[origin: ES481658A1] A machine intended for comminuting objects which are bulky and/or resistant to destruction comprises two shafts bearing comminutor rings disposed alternately along each of the shafts. The rings are formed of separate elements, at least some of which are comminutor elements having comminutor noses. The elements each have an inverted-U profile and are secured to the shafts by fitting over shaft-collars integral with the shafts. Journal-and-screw assemblies passing through precision bores in the sidewalls of the elements and in the shaft-collars firmly fix the elements to the shaft-collars, and thus to the shafts. The comminuting machine is very sturdy and withstands very high axial mechanical stresses.

IPC 1-7  
**B02C 18/18**; **B29H 19/02**

IPC 8 full level  
**B02C 18/18** (2006.01); **B29B 17/02** (2006.01)

CPC (source: EP US)  
**B02C 18/184** (2013.01 - EP US); **Y10S 241/31** (2013.01 - EP US)

Cited by  
EP1023942A1; EP0503198A1; US5829690A; DE3918657A1; EP0093223A1; WO9508425A1; WO0044499A1; WO8302071A1

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

DOCDB simple family (publication)  
**EP 0006261 A1 19800109**; **EP 0006261 B1 19820630**; AT E1268 T1 19820715; CA 1134795 A 19821102; CH 621267 A5 19810130; DE 2963226 D1 19820819; ES 481658 A1 19800801; JP S5531486 A 19800305; JP S5720855 B2 19820501; PT 69777 A 19790701; US 4241882 A 19801230

DOCDB simple family (application)  
**EP 79200280 A 19790606**; AT 79200280 T 19790606; CA 329839 A 19790615; CH 670178 A 19780620; DE 2963226 T 19790606; ES 481658 A 19790618; JP 7696579 A 19790620; PT 6977779 A 19790619; US 4823979 A 19790613