

Title (en)  
ROTARY CRUSHER

Title (de)  
UMLAUFENDER BRECHER

Title (fr)  
CONCASSEUR ROTATIF

Publication  
**EP 1189701 B1 20040303 (EN)**

Application  
**EP 99943046 A 19990831**

Priority  
• GB 9902705 W 19990831  
• GB 9818997 A 19980829

Abstract (en)  
[origin: WO0012216A1] A rotary crusher (20) comprises first and second crushing means (22, 23) defining a crushing space (38) through which material is to be passed. The first crushing means (22) is defined by an outer surface (24) of a polygonal drum (22) which is rotated to move the outer surface (24) relative to the second crushing means (23) to alter the dimensions of the crushing space. The second crushing means (23) may be an outer surface (24) of a second polygonal drum (23), but may also be a surface (41) of an anvil (40) - see Figures 5 - 14. The crushing surfaces (24, 41) are preferably defined by teeth (24, 41) in the form of corrugations extending the direction of rotation of the drum (22). The two sets of corrugations are relatively offset transverse to the feed direction whereby they progressively apply a crushing load to the material and also a bending load to the material transverse to the feed direction.

IPC 1-7  
**B02C 4/12**; **B02C 4/08**; **B02C 4/30**

IPC 8 full level  
**B02C 4/32** (2006.01); **B02C 4/34** (2006.01)

CPC (source: EP)  
**B02C 4/32** (2013.01); **B02C 4/34** (2013.01)

Cited by  
CN101850281A; CN110523470A; US9199243B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0012216 A1 20000309**; AT E260712 T1 20040315; AU 5633299 A 20000321; DE 69915388 D1 20040408; EP 1189701 A1 20020327; EP 1189701 B1 20040303; GB 9818997 D0 19981021

DOCDB simple family (application)  
**GB 9902705 W 19990831**; AT 99943046 T 19990831; AU 5633299 A 19990831; DE 69915388 T 19990831; EP 99943046 A 19990831; GB 9818997 A 19980829