

Title (en)  
ROTARY BREAKER WITH PROTECTED PROJECTION BLADES

Publication  
**EP 0276848 A3 19890301 (FR)**

Application  
**EP 88101235 A 19880128**

Priority  
FR 8701159 A 19870130

Abstract (en)  
[origin: EP0276849A2] The rotor of the crusher receives the stones at its centre. It comprises three blades (20, 21) which, except on the ejecting edges (22), are protected against internal wear by their hollow shape which retains a protective layer of stones. These edges are protected from impacts by protecting plates (24) arranged radially in front of them. <IMAGE>

IPC 1-7  
**B02C 19/00**; **B02C 13/18**

IPC 8 full level  
**B02C 13/18** (2006.01); **B02C 19/00** (2006.01)

CPC (source: EP)  
**B02C 13/1842** (2013.01); **B02C 2013/1885** (2013.01)

Citation (search report)

- [XP] DE 3610974 C2 19880107
- [AD] DE 8630185 U1 19870108
- [AD] EP 0101277 A2 19840222 - BARMAC ASS LTD [NZ]
- [AD] FR 2201928 A1 19740503 - MAC DONALD GEORGE [NZ]
- [AD] US 3174697 A 19650323 - BRIDGEWATER THOMAS E
- [A] US 3168991 A 19650209 - HERMAN DONALD E

Cited by  
WO9822221A1; AT403998B; AU620600B2; KR100656731B1; US4923131A; CN110508375A; US7416146B2; GB2214107B; CN102641768A; DE19631734A1; DE19631734C2; FR2676661A1; US6405953B1; WO9511086A1

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

DOCDB simple family (publication)  
**EP 0276849 A2 19880803**; **EP 0276849 A3 19890301**; **EP 0276849 B1 19910807**; AT E65944 T1 19910815; AT E67433 T1 19911015; DE 3864031 D1 19910912; DE 3864840 D1 19911024; DK 166906 B1 19930802; DK 45988 A 19880731; DK 45988 D0 19880129; DK 46088 A 19880731; DK 46088 D0 19880129; EP 0276848 A2 19880803; EP 0276848 A3 19890301; EP 0276848 B1 19910918; ES 2023957 B3 19920216; ES 2026209 T3 19920416; FR 2610217 A1 19880805; FR 2610217 B1 19910816; GR 3003051 T3 19930217; GR 3003269 T3 19930217; IE 60186 B1 19940615; IE 60187 B1 19940615; IE 880252 L 19880730; NO 165869 B 19910114; NO 165869 C 19910424; NO 172676 B 19930518; NO 172676 C 19930825; NO 880359 D0 19880128; NO 880359 L 19880801; NO 880360 D0 19880128; NO 880360 L 19880801; ZA 88651 B 19881026; ZA 88652 B 19881026

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**EP 88101236 A 19880128**; AT 88101235 T 19880128; AT 88101236 T 19880128; DE 3864031 T 19880128; DE 3864840 T 19880128; DK 45988 A 19880129; DK 46088 A 19880129; EP 88101235 A 19880128; ES 88101235 T 19880128; ES 88101236 T 19880128; FR 8701159 A 19870130; GR 910401644 T 19911031; GR 910401897 T 19911204; IE 25188 A 19880129; IE 25288 A 19880129; NO 880359 A 19880128; NO 880360 A 19880128; ZA 88651 A 19880129; ZA 88652 A 19880129