Title (en)

IMPACT BAR FOR AN IMPACT CRUSHER ROTOR

Publication

EP 0209757 B1 19900117 (DE)

Application

EP 86108821 A 19860628

Priority

DE 3525442 A 19850717

Abstract (en)

[origin: US4714207A] An impact bar - adapted to assume an installed state in which it is mounted in a rotor of a comminuting machine - has a length extending generally radially as viewed relative to the rotary axis, a leading side and a trailing side as viewed relative to a direction of rotation, and a cross-sectional area taken along a sectional plane extending parallel to a plane of rotation. The cross-sectional area is curved in a generally C shape open towards the leading side and is symmetrical relative to a symmetry plane being generally perpendicular to the bar length. The cross-sectional area has a constriction lying in the symmetry plane. The trailing side is adapted to be supported against tangential forces at a location situated radially outwardly of the constriction as viewed relative to the rotary axis. The constriction is formed by a first and a second groove at the leading and trailing side. Each groove is cross-sectionally symmetrical to the symmetry plane and each has a groove bottom and lateral groove flanks constituting holding faces for taking up generally radially oriented forces.

IPC 1-7

B02C 13/28

IPC 8 full level

B02C 13/28 (2006.01)

CPC (source: EP US)

B02C 13/2804 (2013.01 - EP US)

Cited by

EP0224836A3; EP3031526A3; AT394147B; EP0787529A1; BE1009998A3; DE3742395C1; EP0320759A3; US4915309A

Designated contracting state (EPC)

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EP 0209757 A2 19870128; **EP 0209757 A3 19870902**; **EP 0209757 B1 19900117**; AT E49514 T1 19900215; CA 1262712 A 19891107; DE 3525442 A1 19870122; DE 3525442 C2 19941020; US 4714207 A 19871222; ZA 865324 B 19870325

DOCDB simple family (application)

EP 86108821 A 19860628; AT 86108821 T 19860628; CA 513664 A 19860714; DE 3525442 A 19850717; US 88644186 A 19860717; ZA 865324 A 19860717