

Title (en)

PROCESS FOR THE MANUFACTURE OF GRINDING MEMBERS OF AN IRON ALLOY

Publication

EP 0014655 B1 19830713 (FR)

Application

EP 80400172 A 19800204

Priority

FR 7902920 A 19790205

Abstract (en)

[origin: EP0014655A1] 1. A method of manufacturing crushing bodies from a ferrous alloy containing at least 1 % by weight of carbon, with axial symmetry or constant section, this method comprising shaping of the crushing bodies and a thermal treatment, the shaping comprising a solidification operation in an open ingot mould of a shaped section coming from continuous casting of said alloy, followed by division of said shaped section into billets and the thermal treatment being adapted to confer on the metal an austenitic or martensitic structure, this method being characterized in that the operation for dividing the shaped section into billets constitutes the final shaping operation of the crushing bodies to the exclusion of any plastic deformation thereof, so as to preserve for said bodies the radial crystallization structure resulting directly from the continuous casting of the shaped section.

IPC 1-7

B02C 17/20; **C22C 37/00**; **C22C 37/06**; **C22C 38/36**; **C21D 5/04**

IPC 8 full level

B02C 17/20 (2006.01); **C21D 5/04** (2006.01); **C22C 37/00** (2006.01); **C22C 37/06** (2006.01); **C22C 38/36** (2006.01)

CPC (source: EP)

B02C 17/20 (2013.01); **C22C 37/00** (2013.01); **C22C 37/06** (2013.01)

Cited by

US9222154B2; RU2486273C1; RU2625191C1; CN104278192A; CN103409681A; US4634062A; EA019270B1; CN103436774A; CN104152819A; RU2475565C1; CN104532115A; RU2645520C1; RU2623846C1; RU2635034C1; RU2645526C1; EP0343244A4; RU2481413C1; RU2643769C1; CN104152815A; RU2636292C1; EP0120748A1; FR2541910A1; RU2481414C1; RU2508418C1; EP0202208A3; RU2624543C1; RU2636293C1; RU2651926C1; US5855701A; CN101876025A; RU2629409C1; RU2629410C1; WO9528506A1

Designated contracting state (EPC)

AT CH DE GB LU NL

DOCDB simple family (publication)

EP 0014655 A1 19800820; **EP 0014655 B1 19830713**; AT E4088 T1 19830715; DE 3064071 D1 19830818; FR 2447753 A1 19800829; FR 2447753 B1 19820910

DOCDB simple family (application)

EP 80400172 A 19800204; AT 80400172 T 19800204; DE 3064071 T 19800204; FR 7902920 A 19790205