

Title (en)

Method and apparatus for de-finning metal castings.

Title (de)

Verfahren und Einrichtung zum Entgraten von Metallgussstücken.

Title (fr)

Procédé et appareil pour l'ébarbage de pièces moulées métalliques.

Publication

EP 0095829 A1 19831207 (EN)

Application

EP 83301698 A 19830325

Priority

US 38283382 A 19820527

Abstract (en)

A method of and apparatus for removing fins and other excess metal from metal castings in which the centrifugal force of a rotating member (16) propels impact pellets toward the casting. The mass of the moving pellets striking the fins must be sufficient to knock the fins off the casting and as a result the pellets must be of a large size. A plurality of radially extending blades (20) are mounted on the rotating member (16) and have inner ends (22) which terminate at positions spaced radially from the axis of rotation (18) of the rotating member. A supply conduit (24) extends into the space between the axis of rotation and the inner ends of the blades, and terminates at a distance from the path of the blade which is slightly greater than the largest diameter of the impact pellets. Impact pellets are fed into the conduit, whereupon air is introduced into the conduit at a force sufficient to pre-accelerate the pellets through the conduit and onto the inner ends of the blades.

IPC 1-7

B22D 31/00; **B24C 11/00**; **B24C 5/06**

IPC 8 full level

B22D 31/00 (2006.01); **B24C 3/02** (2006.01)

CPC (source: EP)

B22D 31/00 (2013.01)

Citation (search report)

- [A] CH 559084 A5 19750228 - FISCHER AG GEORG
- [A] US 3800474 A 19740402 - SACK J, et al

Cited by

CN113263455A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0095829 A1 19831207; AU 1262383 A 19831201; ES 520998 A0 19840901; ES 8406925 A1 19840901; JP S58211858 A 19831209

DOCDB simple family (application)

EP 83301698 A 19830325; AU 1262383 A 19830321; ES 520998 A 19830325; JP 8930383 A 19830523