

Title (en)
Two piece casting wheel.

Title (de)
Zweiteiliges Giessrad.

Title (fr)
Roue de coulée en deux pièces.

Publication
EP 0098968 A1 19840125 (EN)

Application
EP 83105575 A 19830607

Priority
US 39775582 A 19820713

Abstract (en)
The application provides a chilled casting wheel. An annular wheel core member (7) has axially extending channels (8) formed about a circumferential, outer peripheral surface (11) thereof and is adapted to rotate about a concentric axis of rotation (28). A cylindrical, axially extending wheel rim member (10) concentrically connected to the core peripheral surface has a preselected interference fit therewith to provide a preselected residual, circumferential stress within the rim. A coolant mechanism directs a fluid coolant to the interior surface (29) of the rim and through the channels.

IPC 1-7
B22D 11/00; B22D 11/06; B21B 27/08

IPC 8 full level
B22D 11/00 (2006.01); **B22D 11/06** (2006.01)

CPC (source: EP)
B22D 11/005 (2013.01); **B22D 11/0682** (2013.01)

Citation (search report)

- [A] DE 2627095 A1 19770120 - FIVES CAIL BABCOCK
- [A] DE 2600502 A1 19760715 - FIVES CAIL BABCOCK
- [A] US 3757847 A 19730911 - SOFINSKY P, et al
- [A] EP 0033063 A2 19810805 - ALLIED CORP [US]
- [AD] US 4142571 A 19790306 - NARASIMHAN MANDAYAM C

Cited by
CN102794418A; EP0260835A3; EP0428464A1; FR2654372A1; US5152333A; TR25113A; CN106735011A; US9768949B2; US8154111B2; WO9211959A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0098968 A1 19840125; **EP 0098968 B1 19870603**; AU 1527283 A 19840119; AU 560682 B2 19870416; CA 1206320 A 19860624; DE 3371877 D1 19870709; JP H0218181 B2 19900424; JP S5921452 A 19840203

DOCDB simple family (application)
EP 83105575 A 19830607; AU 1527283 A 19830601; CA 432290 A 19830712; DE 3371877 T 19830607; JP 12406883 A 19830707