

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)

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- [A] EP 0033063 A2 19810805 - ALLIED CORP [US]
- [AD] US 4142571 A 19790306 - NARASIMHAN MANDAYAM C

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

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