

Title (en)

Foundry cores and method for manufacturing the same

Title (de)

Giessereien und Verfahren zur Herstellung solcher Kerne

Title (fr)

Noyaux de fonderie et procédé pour leur fabrication

Publication

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Application

EP 05425320 A 20050513

Priority

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Abstract (en)

The present invention relates to foundry cores and a method for manufacturing the same. Particularly, the present invention relates to a hollow foundry core (1) comprising a plurality of half-cores (1a, 1b, 1c) being assembled by means of sealing elements (4a, 4b, 4c) for providing a core (1), said half-cores (1a, 1b, 1c) and said sealing elements (4a, 4b, 4c) being provided with a pressed mixture of sand and a binder.

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CPC (source: EP)

B22C 7/06 (2013.01); **B22C 9/103** (2013.01); **B22C 9/106** (2013.01)

Citation (search report)

- [X] EP 1144141 A1 20011017 - HOWMET RES CORP [US]
- [X] WO 0013819 A1 20000316 - FOUNDRY AUTOMATION S A S [IT], et al
- [X] US 5829511 A 19981103 - UZAKI NAGATO [JP], et al
- [X] FR 2187459 A2 19740118 - PEUGEOT [FR]
- [A] US 1586321 A 19260525 - NEWPORT CHARLES F
- [Y] US 5222544 A 19930629 - DILLON GEORGE A [US], et al
- [Y] US 4252175 A 19810224 - WHIPPLE ROGER B
- [Y] EP 0715913 A1 19960612 - HOWMET CORP [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 014, no. 375 (M - 1010) 14 August 1990 (1990-08-14)

Cited by

CN106424577A; CN102205398A; CN102310164A; CN102847877A; CN114309483A; CN102814459A; CN112893784A; CN103286276A; CN108405809A; CN103182474A; CN110039010A; CN105817584A; CN106180577A; EP2216112A1; CN104190872A; CN114126781A; EP2087954A1; US8056609B2; US11890669B2; WO2010091931A1; WO2020240342A1

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