

Title (en)
Contoured metallic casting core

Title (de)
Profiliertes metallener Gusskern

Title (fr)
Noyau de coulée métallique profilé

Publication
EP 2399693 A3 20120725 (EN)

Application
EP 11250408 A 20110331

Priority
US 82316510 A 20100625

Abstract (en)
[origin: EP2399693A2] A method for manufacturing an investment casting core uses a metallic blank (60) having a thickness between parallel first and second faces less than a width and length transverse thereto. The blank is locally thinned from at least one of the first and second faces (82, 84). The local thinning forms a taper on a leading portion of the RMC. The blank is through-cut across the thickness. The blank is inserted into the leading portion into a slot in a pre-formed ceramic core.

IPC 8 full level
B22C 9/10 (2006.01); **B22C 9/24** (2006.01)

CPC (source: EP US)
B22C 9/10 (2013.01 - EP US); **B22C 9/103** (2013.01 - EP US); **B22C 9/24** (2013.01 - EP US)

Citation (search report)

- [I] EP 1854567 A2 20071114 - UNITED TECHNOLOGIES CORP [US]
- [A] US 5423372 A 19950613 - KEARNEY DOLORES C [US]
- [A] US 6942007 B2 20050913 - MEYER PHILIPPE [FR]
- [A] EP 2191911 A1 20100602 - UNITED TECHNOLOGIES CORP [US]
- [A] EP 1634665 A2 20060315 - UNITED TECHNOLOGIES CORP [US]
- [A] EP 2189230 A1 20100526 - UNITED TECHNOLOGIES CORP [US]

Cited by
EP2961547A4; EP3060363A4; EP2841710A4; WO2013163020A1; US10005123B2; US10821500B2; EP2841710B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2399693 A2 20111228; EP 2399693 A3 20120725; EP 2399693 B1 20190501; US 2011315336 A1 20111229

DOCDB simple family (application)
EP 11250408 A 20110331; US 82316510 A 20100625