

Title (en)
Contoured metallic casting core

Title (de)
Profiliertes metallener Gusskern

Title (fr)
Noyau de coulée métallique profilé

Publication
EP 2399693 A2 20111228 (EN)

Application
EP 11250408 A 20110331

Priority
US 82316510 A 20100625

Abstract (en)
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 (applicant)
• US 6637500 B2 20031028 - SHAH DILIP N [US], et al
• US 6929054 B2 20050816 - BEALS JAMES T [US], et al
• US 2007261814 A1 20071115 - LUCZAK BLAKE J [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