

Title (en)
Fugitive core tooling and method

Title (de)
Flüchtige Kernfertigungsmittel und Verfahren

Title (fr)
Outillage de noyau fugitif et procédé

Publication
EP 2316593 A3 20120118 (EN)

Application
EP 10188114 A 20101019

Priority
US 58980109 A 20091028

Abstract (en)
[origin: EP2316593A2] A ceramic core is produced by introducing a fluid ceramic core material, such as a ceramic slurry, into a core-shaped cavity formed at least in part by one or more fugitive core tooling liners residing in a back-up body, removing the ceramic core from the cavity, and removing the one or more fugitive tooling liners from the back-up die body and discarding them. The fugitive tooling liners and optional tooling inserts are used in one or more production cycles (e.g. ceramic slurry injection cycle) to make a single or multiple ceramic cores and then replaced with fresh (un-used) tooling liners and optional inserts to make other ceramic cores.

IPC 8 full level
B22C 7/02 (2006.01); **B22C 9/04** (2006.01); **B22C 9/24** (2006.01)

CPC (source: EP US)
B22C 7/02 (2013.01 - EP US); **B22C 9/04** (2013.01 - EP US)

Citation (search report)

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- [A] EP 1611978 A1 20060104 - UNITED TECHNOLOGIES CORP [US] & EP 1616642 A1 20060118 - UNITED TECHNOLOGIES CORP [US]
- [A] EP 1769862 A1 20070404 - UNITED TECHNOLOGIES CORP [US]
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- [AD] US 5295530 A 19940322 - O'CONNOR KURT F [US], et al & US 5545003 A 19960813 - O'CONNOR KURT F [US], et al

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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 2316593 A2 20110504; EP 2316593 A3 20120118; CA 2713669 A1 20110428; JP 2011092996 A 20110512; US 2011094698 A1 20110428

DOCDB simple family (application)
EP 10188114 A 20101019; CA 2713669 A 20100819; JP 2010214712 A 20100927; US 58980109 A 20091028