

Title (en)
A CORE FOR AN INVESTMENT CASTING PROCESS

Title (de)
KERN FÜR EIN FEINGUSSVERFAHREN

Title (fr)
NOYAU POUR UN PROCESSUS DE COULÉE DE PRÉCISION

Publication
EP 3533532 A1 20190904 (EN)

Application
EP 19155458 A 20190205

Priority
GB 201803326 A 20180301

Abstract (en)
A core (400) for an investment casting process in which a component to be cast has an internal passageway, the internal passageway being provided by the core (400), the core (400) comprising: a first core passage (401) having a first point (405) and a second point (406) therein and including no straight path between the first point (405) and the second point (406); and a first core bridge (421a) which extends away from the first core passage (401) between the first and second points (405, 406), wherein the first core bridge (421a) comprises a first pillar (422) and a second pillar (412a) which connect to the first and second points (405, 406) respectively, and a bridge portion (423a) which extends between the first and second pillars (422, 412a); wherein the first pillar (422) comprises a core inlet portion (408) having a thickness at the first point (405) and the second pillar (412a) has a thickness at the second point (406), the thickness of the core inlet portion (408) at the first point (405) being less than the thickness of the second pillar (412a) at the second point (406).

IPC 8 full level
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F05D 2230/211 (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US); **F05D 2260/204** (2013.01 - EP US)

Citation (search report)
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• [X1] EP 1905958 A2 20080402 - UNITED TECHNOLOGIES CORP [US]
• [X1] EP 1886745 A1 20080213 - UNITED TECHNOLOGIES CORP [US]
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