

Title (en)
IMPROVED METHOD FOR MANUFACTURING A CERAMIC CORE FOR MANUFACTURING TURBOMACHINE VANES AND CERAMIC CORE

Title (de)
VERBESSERTES VERFAHREN ZUR HERSTELLUNG EINES KERAMISCHEN KERNS ZUR HERSTELLUNG VON
TURBOMASCHINENSCHAUFELN UND KERAMISCHER KERN

Title (fr)
PROCEDE AMELIORE DE FABRICATION D'UN NOYAU CERAMIQUE POUR LA FABRICATION D'AUBES DE TURBOMACHINE ET NOYAU
CERAMIQUE

Publication
EP 4021663 B1 20230705 (FR)

Application
EP 20775042 A 20200827

Priority
• FR 1909534 A 20190830
• FR 2020051507 W 20200827

Abstract (en)
[origin: WO2021038174A1] Method for manufacturing a blank for a ceramic core (10) for the manufacture of hollow turbomachine vanes according to the lost-wax casting technique, the blank being manufactured by additive manufacture and comprising at least a first portion (20) which is intended to form the cavities of the hollow vanes and at least a second portion (30) which is configured to allow the core (10) to be positioned in a wax mould, the second portion (30) and the first portion (20) being positioned and retained relative to each other by means of a joint portion (60) which is interposed between the first portion (20) and the second portion (30), at least one through-hole (50) extending through the second portion (30), the joint portion (60) and the first portion (20), a first end of the through-hole (50) opening at an outer face of the second portion (30), and a second end of the through-hole (50) opening at an outer face of the first portion (20).

IPC 8 full level
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B22C 7/02 (2013.01 - US); **B22C 9/103** (2013.01 - EP US); **B22C 21/14** (2013.01 - EP)

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