

Title (en)
SHELL MOULD FOR MANUFACTURING AIRCRAFT TURBOMACHINE BLADED ELEMENTS USING THE LOST WAX MOULDING TECHNIQUE AND COMPRISING SCREENS THAT FORM HEAT ACCUMULATORS

Title (de)
MASKENFORM ZUR HERSTELLUNG VON BESCHAUFELTEN ELEMENTEN EINER FLUGZEUGTURBOMASCHINE MITTELS WACHSAUSSCHMELZGUSS UND MIT SCHIRMEN ZUR FORMUNG VON WÄRMESPEICHERN

Title (fr)
CARAPACE POUR LA FABRICATION PAR MOULAGE À CIRE PERDUE D'ÉLÉMENTS AUBAGÉS DE TURBOMACHINE D'AÉRONEF, COMPRENANT DES ÉCRANS FORMANT ACCUMULATEURS DE CHALEUR

Publication
EP 2806989 B1 20190313 (FR)

Application
EP 13704187 A 20130122

Priority
• FR 1250677 A 20120124
• FR 2013050134 W 20130122

Abstract (en)
[origin: WO2013110889A1] The present invention relates to a shell mould (200) for manufacturing aircraft turbomachine bladed elements using the lost-wax moulding technique, and comprising: - shell mould bladed elements (1b) comprising a blade portion (2b) situated between a first end part (4b) delimiting the impression of a platform (8b) and a second end part (6b) delimiting the impression of another platform (8b), the blade portion comprising a trailing edge zone (30b); - a metal feeder (12b) having a central axis (14b) around which the bladed elements (1b) are distributed; and according to the invention, the shell mould is equipped with one or a number of screens (29b) that form accumulators of heat and are arranged in a shell mould interior space (28b) facing the inwardly-directed trailing edge zones (30b).

IPC 8 full level
B22C 9/04 (2006.01); **B22C 9/22** (2006.01)

CPC (source: EP US)
B22C 9/04 (2013.01 - EP US); **B22C 9/082** (2013.01 - EP US); **B22C 9/088** (2013.01 - US); **B22C 9/22** (2013.01 - EP US); **B22D 25/02** (2013.01 - US); **F05D 2230/211** (2013.01 - US)

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

DOCDB simple family (publication)
FR 2985924 A1 20130726; FR 2985924 B1 20140214; BR 112014017737 A2 20170620; BR 112014017737 A8 20170711; CA 2863151 A1 20130801; CN 104066533 A 20140924; EP 2806989 A1 20141203; EP 2806989 B1 20190313; IN 5852DEN2014 A 20150522; JP 2015504784 A 20150216; RU 2014134328 A 20160320; US 2015027653 A1 20150129; WO 2013110889 A1 20130801

DOCDB simple family (application)
FR 1250677 A 20120124; BR 112014017737 A 20130122; CA 2863151 A 20130122; CN 201380006340 A 20130122; EP 13704187 A 20130122; FR 2013050134 W 20130122; IN 5852DEN2014 A 20140714; JP 2014553785 A 20130122; RU 2014134328 A 20130122; US 201314373681 A 20130122