

Title (en)

METHOD FOR PRODUCING COMPRESSOR HOUSING

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES VERDICHTERGEHÄUSES

Title (fr)

PROCÉDÉ POUR FABRIQUER UN CARTER DE COMPRESSEUR

Publication

EP 3173627 A1 20170531 (EN)

Application

EP 16193708 A 20161013

Priority

JP 2015232228 A 20151127

Abstract (en)

A compressor housing is constructed by assembling a scroll piece and a shroud piece. The scroll piece includes an inlet cylindrical portion 21, a front side wall section 22, and an outlet cylindrical portion 23 in which the inner wall surface of the outlet communicating section is curved to connect an inner wall surface of a scroll chamber and that of an outlet port. Fabrication of the scroll piece includes a die casting step that uses a back mold 4 having a first projecting portion 41 and a front mold 5 having a second projecting portion 51 projecting toward the back side to form an intermediate formed body 20 wherein both the first 41 and second projecting portions 51 are disposed within the outlet cylindrical portion 23, and a cutting and removal step that removes residue portions in the intermediate formed body 20 by cutting.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (applicant)

JP 2014062492 A 20140410 - OTICS CORP

Citation (search report)

- [A] WO 8002585 A1 19801127 - OSBORN NORBERT L [US]
- [A] EP 2107249 A2 20091007 - HONEYWELL INT INC [US]
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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

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DOCDB simple family (application)

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