

Title (en)
METHOD FOR THE PRODUCTION OF HOLLOW CHAMBER VALVES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HOHLRAUMVENTILEN

Title (fr)
PROCÉDÉ DE FABRICATION DE SOUPAPES À ESPACE CREUX

Publication
EP 3583302 B1 20210414 (DE)

Application
EP 18710811 A 20180306

Priority
• DE 102017114524 A 20170629
• EP 2018055424 W 20180306

Abstract (en)
[origin: WO2019001781A1] Disclosed is a method for the production of a valve body of a hollow chamber valve, said method comprising: providing a bowl-shaped semi-finished product having an annular wall, which surrounds a hollow chamber, and a bottom portion, followed by a lengthening of the wall and a final reducing of an outer diameter of the annular wall in order to obtain a predetermined valve shaft outside diameter of a valve that is to be produced. Further disclosed is a hollow chamber valve produced by means of said method.

IPC 8 full level
B21C 23/20 (2006.01); **B21K 1/22** (2006.01); **F01L 3/14** (2006.01)

CPC (source: EP KR US)
B21C 23/205 (2013.01 - EP KR US); **B21K 1/22** (2013.01 - EP KR US); **F01L 3/14** (2013.01 - EP KR); **F01L 2303/00** (2020.05 - EP KR 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)
WO 2019001781 A1 20190103; CN 110869590 A 20200306; CN 110869590 B 20210803; DE 102017114524 A1 20190103; EP 3583302 A1 20191225; EP 3583302 B1 20210414; JP 2020525695 A 20200827; JP 7051904 B2 20220411; KR 102446127 B1 20220921; KR 20200019904 A 20200225; PL 3583302 T3 20211115; US 11260448 B2 20220301; US 2020156144 A1 20200521

DOCDB simple family (application)
EP 2018055424 W 20180306; CN 201880043723 A 20180306; DE 102017114524 A 20170629; EP 18710811 A 20180306; JP 2019562573 A 20180306; KR 20197038807 A 20180306; PL 18710811 T 20180306; US 201816625292 A 20180306