

Title (en)
METHOD FOR PRODUCING A PRINTER NOZZLE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER DRUCKERDÜSE

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE BUSE D'IMPRIMANTE

Publication
EP 4341022 A1 20240327 (DE)

Application
EP 21728837 A 20210519

Priority
EP 2021063300 W 20210519

Abstract (en)
[origin: WO2022242847A1] The invention relates to a method for producing a printer nozzle (12, 122, 200) for dispensing a molten material, which comprises a nozzle body with a receiving section (20) and an outlet section (22, 222) which is, in particular, in the shape of a cone or truncated cone, characterised by the method steps of - injection moulding powder containing metal, and - sintering.

IPC 8 full level
B22F 3/22 (2006.01); **B22F 3/10** (2006.01); **B22F 5/10** (2006.01); **B22F 7/06** (2006.01)

CPC (source: EP US)
B05B 15/18 (2018.02 - EP); **B22F 3/1021** (2013.01 - EP US); **B22F 3/225** (2013.01 - EP US); **B22F 3/24** (2013.01 - US); **B22F 5/10** (2013.01 - US); **B22F 5/106** (2013.01 - EP); **B22F 7/062** (2013.01 - EP); **B22F 12/53** (2021.01 - EP US); **B33Y 80/00** (2014.12 - US); **C21D 1/06** (2013.01 - EP); **C21D 1/25** (2013.01 - EP); **C21D 6/004** (2013.01 - EP); **C22C 33/0264** (2013.01 - EP); **C22C 33/0285** (2013.01 - EP); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/08** (2013.01 - EP); **C22C 38/12** (2013.01 - EP); **C22C 38/18** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **B05B 7/06** (2013.01 - EP); **B05B 7/0807** (2013.01 - EP); **B22F 2003/247** (2013.01 - US); **B22F 2003/248** (2013.01 - US); **B22F 2301/35** (2013.01 - US); **B22F 2302/10** (2013.01 - US); **B22F 2302/20** (2013.01 - US); **B22F 2302/25** (2013.01 - US); **B22F 2304/10** (2013.01 - US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **C21D 2211/001** (2013.01 - EP); **C21D 2211/005** (2013.01 - EP); **Y02P 10/25** (2015.11 - EP)

C-Set (source: EP)
1. **B22F 2998/10 + B22F 1/10 + B22F 3/225 + B22F 3/1021 + B22F 2003/247 + B22F 2003/248**
2. **B22F 2999/00 + B22F 12/53 + B22F 10/18**

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022242847 A1 20221124; EP 4341022 A1 20240327; MX 2023012552 A 20231103; US 2024198421 A1 20240620

DOCDB simple family (application)
EP 2021063300 W 20210519; EP 21728837 A 20210519; MX 2023012552 A 20210519; US 202118555738 A 20210519