

Title (en)
CONTINUOUS EXTRUSION PROCESS FOR A METAL-CONTAINING BULK MATERIAL AND METAL-POWDER EXTRUSION INSTALLATION

Title (de)
KONTINUIERLICHES STRANGPRESSVERFAHREN FÜR EIN METALLHALTIGES SCHÜTTGUT UND METALLPULVERSTRANGPRESSANLAGE

Title (fr)
PROCÉDÉ D'EXTRUSION CONTINUE POUR UN PRODUIT EN VRAC CONTENANT DES MÉTAUX, ET INSTALLATION D'EXTRUSION D'UNE
POUDRE MÉTALLIQUE

Publication
EP 3570996 A1 20191127 (DE)

Application
EP 17826221 A 20171220

Priority
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Abstract (en)
[origin: WO2018134018A1] Continuous extrusion process for a metal-containing bulk material (13) for producing an extruded body, comprising the following steps: introducing the metal-containing bulk material (13) into a press channel (8) of a metal-powder extrusion installation (1), which is bounded by a rotating extrusion wheel (2) and pressing tool components, which comprise a running-in region having sealing plates (5, 6, 7) and comprise a deflecting region with a counter plate (11) and a feeding plate (10), feeding in the metal-containing bulk material (13) via a peripheral groove (3) of the rotating extrusion wheel (2) to the counter plate (11) and deflecting the compacted metal-containing bulk material (13) in the deflecting region through the feed plate (10), which has an opening, to a die (12), wherein at least one of the sealing plates (5, 6, 7) arranged in the running-in region is cooled by means of a cooling device. The invention also relates to a metal-powder extrusion installation that is suitable for carrying out the extrusion process according to the invention.

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