

Title (en)

DEVICE FOR INCREMENTAL STAMPING BY MAGNETIC FORMING AND ASSOCIATED METHOD

Title (de)

VORRICHTUNG ZUM INKREMENTELLEN STANZEN DURCH MAGNETISCHES FORMEN UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF D'EMBOUTISSAGE INCRÉMENTAL PAR MAGNÉTO-FORMAGE ET PROCÉDÉ ASSOCIÉ

Publication

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Application

EP 18814897 A 20181206

Priority

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- EP 2018083871 W 20181206

Abstract (en)

[origin: WO2019110760A1] The invention relates to a device for stamping a blank (50) in order to produce a stamped part. The device includes a punch (40) comprising a bearing surface (41), an anvil (70), a die (80) and means for generating a magnetic field (60), provided in the punch, level with the bearing surface. The device is configured, in an initial position, so that: - the bearing surface of the punch receives a portion of a first face of the blank, - the anvil and the means for generating a magnetic field are placed on either side of the same portion of the blank, the means for generating a magnetic field (60) being opposite the first face (51), and the anvil (70) opposite a second face (52) of the blank, at a distance from the second face, - the die (80) is placed opposite the second face (52), level with another portion of the blank. The means for generating a magnetic field are configured to apply pressure on the blank in the direction of the anvil, in a direction Z'Z. The device includes first means (43) for moving the punch in the direction Z'Z and second means (72) for moving the anvil in the same direction.

IPC 8 full level

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Citation (search report)

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