

Title (en)
FORGING DIE AND METHOD

Title (de)
GESENK UND VERFAHREN ZUM SCHMIEDEN

Title (fr)
MATRICE ET PROCÉDÉ DE FORGEAGE

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Application
EP 11729382 A 20110702

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Abstract (en)
[origin: WO2012013284A1] The invention relates to a die for forging a toothed section of a gear rack of a steering device, comprising a first die part (9) having a first molding recess (11) for molding the toothing and a second die part (10) having a second molding recess (12), which has the shape of the back area of the gear rack opposite the toothing. The die parts (9, 10) can be moved toward each other in a closing direction (13) into an end position, in which the die parts have a distance (s) from each other, wherein a main cavity (14) is formed between the die parts (9, 10) in the region of the molding recesses (11, 12) of the die parts (9, 10), said main cavity being open on opposite sides to secondary cavities (16, 17), which lie in respective regions between the first and second die parts (9, 10). The die further includes at least two secondary molding parts (18, 19), which lie in respective regions between the first and second die parts (9, 10) and which at least partially form the walls that bound the secondary cavities and which can each be moved relative to the die parts (9, 10) in a setting direction (29, 30) oriented at an angle to the closing direction (13).

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