

Title (en)
MODULAR EXTRUSION DIE

Title (de)
MODULARE EXTRUSIONS DÜSE

Title (fr)
MATRICE D'EXTRUSION MODULAIRE

Publication
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Application
EP 11742530 A 20110209

Priority
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Abstract (en)
[origin: WO2011099868A1] Extrusion tool or die for the extrusion of metallic material, in particular a material of aluminium or alloys thereof, or other non-ferrous metals such as Cu and alloys thereof. The die is a modular type comprising die plate/s (2, 3) with cavities (4, 5) provided with insert/s (6, 7). The area of the die with strong thermo-mechanical solicitation comprising the die plate/s (2, 3), is made of a nickel, iron or cobalt-based super alloy, whereas the die in the area with strong tribological solicitation comprising the insert/s, i.e. the mandrel (6) and/or the bearing (7) of the die, is manufactured of a wear resistant material which may be a high speed tool steel, a precipitation hardened steel or a high alloy hot-worked steel, or any of suitable steel types provided with a coating such as nano particle or CVD.

IPC 8 full level
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