

Title (en)

EXTRUSION DIE FOR METALLIC MATERIAL

Title (de)

EXTRUSIONSMATRIZE FÜR EIN METALLISCHES MATERIAL

Title (fr)

FILIÈRE D'EXTRUSION DE MATÉRIAU MÉTALLIQUE

Publication

**EP 2049277 A1 20090422 (EN)**

Application

**EP 07829274 A 20071001**

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Abstract (en)

[origin: WO2008044620A1] In some preferred embodiments, an extrusion die 10 for a metallic material includes a die case 20 having a pressure receiving portion 21 with a metallic material pressure receiving surface 22 faced rearward against an extrusion direction, a male die 30 disposed in the die case 20, and a female die 40 disposed in the die case 20. The pressure receiving portion 21 is formed into a convex configuration protruded rearward, and a porthole 24 for introducing the metallic material is provided in an outer periphery of the pressure receiving portion 21. A ratio of a flat state opening area  $S_b$  of a porthole inlet portion 24e to a flat state area  $S_a$  of the pressure receiving portion 21 is set to 0.15 to 0.80. The extrusion die is configured such that the metallic material pressurized against the metallic material pressure receiving surface 22 is introduced into the die case 20 via the porthole 24 and passes through the extrusion hole 11.

IPC 8 full level

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