

Title (en)

Process and apparatus for producing a liquid metal jet

Title (de)

Verfahren und Vorrichtung zur Formung eines Giesstrahls

Title (fr)

Procédé et appareil pour produire un jet de métal liquide

Publication

**EP 0451552 B1 19970423 (DE)**

Application

**EP 91104212 A 19910319**

Priority

DE 4011392 A 19900409

Abstract (en)

[origin: EP0451552A1] For producing a liquid metal jet (10) which emerges from a container and is, for example, subsequently atomised to powder (31), a funnel (6) which is conical or in the form of a hyperboloid of revolution is provided, the funnel consisting of metallic, fluid-cooled segments (11 to 15) and being surrounded by an induction coil (7). Owing to the shape of the funnel (6), the choice of alternating-current frequency at which the induction coil (7) is operated, and the choice of the electric loading of the induction coil (7), the liquid metal jet (10) can be produced and blocked.  
<IMAGE>

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**B22F 9/08**

IPC 8 full level

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CPC (source: EP)

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