

Title (en)
PROCESS FOR MANUFACTURING METAL PELLETS, PRODUCT OBTAINED THEREBY AND DEVICE FOR IMPLEMENTING SUCH PROCESS.

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON METALLTEILCHEN SOWIE DABEI ERHALTENE TEILCHEN.

Title (fr)
PROCEDE DE FABRICATION DE GRANULES METALLIQUES, PRODUITS OBTENUS ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCEDE.

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EP 0048713 A1 19820407 (FR)

Application
EP 81900066 A 19801222

Priority
FR 7932115 A 19791221

Abstract (en)
[origin: WO8101811A1] Process for manufacturing metal pellets, whereby pellets are formed by solidification from molten metal, characterized in that a melted metal jet is formed, passed through a vibrating port (13, 48) to divide the jet into individual droplets, and in that solidification of said droplets into pellets is caused by cooling. To this effect, the jet droplets are dropped by gravity through an inert gas atmosphere maintained at a temperature lower than the solidification temperature of the molten metal. for reactive metals, said jet is formed by tapping off from a molten metal mass kept in contact with a non miscible bath therewith, selectively dissolving the derivatives resulting from its possible oxidation.

Abstract (fr)
Procede de fabrication de granules metalliques, suivant lequel on forme les granules par solidification a partir de metal fondu, caracterise en ce que l'on forme un jet de metal fondu, on le fait passer a travers un orifice vibrant (13, 48) pour diviser le jet en gouttes individuelles, et l'on provoque par refroidissement la solidification de ces gouttes en granules. Pour ce faire, on fait tomber les gouttes du jet par gravite a travers une atmosphere de gaz inerte maintenue a une temperature inferieure a la temperature de solidification du metal fondu. Pour des metaux reactifs, on forme ledit jet par prelevement a partir d'une masse de metal en fusion maintenue en contact avec un bain non miscible avec elle, dissolvant selectivement les derives resultant de son oxydation eventuelle.

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WO 8101811 A1 19810709; AU 543715 B2 19850426; AU 6643581 A 19810722; DE 3066037 D1 19840202; EP 0048713 A1 19820407; EP 0048713 B1 19831228; FR 2471827 A1 19810626; IT 1134864 B 19860820; IT 8026884 A0 19801222; JP H0135881 B2 19890727; JP S56501850 A 19811217; US 4428894 A 19840131

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