

Title (en)

PROCESS FOR MANUFACTURING METAL PELLETS, PRODUCT OBTAINED THEREBY AND DEVICE FOR IMPLEMENTING SUCH PROCESS

Publication

EP 0048713 B1 19831228 (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.

IPC 1-7

B22F 9/08

IPC 8 full level

B22F 9/08 (2006.01)

IPC 8 main group level

B22F (2006.01)

CPC (source: EP US)

B22F 9/08 (2013.01 - EP US); **B22F 2009/0864** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

C-Set (source: EP US)

B22F 2999/00 + B22F 9/08 + B22F 2202/01

Citation (examination)

- FR 2408414 A1 19790608 - MIZUSAWA INDUSTRIAL CHEM [JP]
- Chemical Abstracts, vol. 89, no. 14, publié le 2 octobre 1978 (Columbus, Ohio, US), voir page 322, résumé no. 114591m

Cited by

FR2764905A1; WO9859082A1

Designated contracting state (EPC)

AT CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

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

DOCDB simple family (application)

FR 8000187 W 19801222; AU 6643581 A 19801222; DE 3066037 T 19801222; EP 81900066 A 19801222; FR 7932115 A 19791221; IT 2688480 A 19801222; JP 50024381 A 19801222; US 29627081 A 19810821