

Title (en)
Process and device for manufacturing fine wire

Title (de)
Verfahren und Vorrichtung zum Herstellen von Feindraht

Title (fr)
Procédé et dispositif pour la fabrication de fil fin

Publication
EP 1078994 A3 20030528 (DE)

Application
EP 00116541 A 20000731

Priority
DE 19940845 A 19990827

Abstract (en)
[origin: DE19940845C1] Fine wire production, using the same furnace and/or cooling system for pre-annealing and drawn wire hardening treatment, is new. Independent claims are also included for the following: (i) a furnace system for use in the above process, comprising a furnace chamber containing a heat distribution block designed for uniform wire heating; (ii) a cooling system for use in the above process, comprising a fluidization chamber containing a flowable material such as sand, a fluid feeder for feeding a fluidizing fluid into the fluidization chamber and an electromagnetic wave radiation device for heating the flowable material in the fluidization chamber; and (iii) equipment for carrying out the above process, comprising the above furnace system and/or cooling system.

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IPC 8 full level
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C21D 9/5732 (2013.01 - EP US); **C21D 9/64** (2013.01 - EP US)

Citation (search report)

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