

Title (en)

PROCESS AND APPARATUS FOR THE MANUFACTURE OF HIGH-PURITY ALLOYS

Publication

EP 0137315 B1 19880601 (DE)

Application

EP 84110654 A 19840907

Priority

DE 3334733 A 19830926

Abstract (en)

[origin: US4584015A] Process and system for the production of very pure alloys. The starting materials are first melted and vacuum treated in an induction crucible inside a vacuum melt system, and then are poured into a second melt crucible, and there brought to casting temperature and held there. An opening beneath the melt in the second melt crucible is used for pouring out the melt. The system for carrying out the process comprises a vacuum melt crucible assembly containing an induction melt crucible and a second melt crucible. The second melt crucible has an orifice in its lower area which is operated by a sealing arrangement. A chamber is arranged underneath the second melt crucible.

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