

Title (en)

Process and apparatus for producing high purity aluminum.

Title (de)

Verfahren und Anlage zur Herstellung von hochfeinem Aluminium.

Title (fr)

Procédé et dispositif pour la production d'aluminium de haute pureté.

Publication

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Application

EP 89313184 A 19891218

Priority

CA 586886 A 19881222

Abstract (en)

A process and apparatus are described for producing high purity aluminum by fractional crystallization. This process comprises the steps of melting the aluminum to be purified to obtain a molten aluminum, holding the molten aluminum within a vertical, cylindrical crystallizer vessel at least partially surrounded by a cooling jacket for the passage of cooling fluid therethrough, and stirring the molten aluminum in the vessel while passing cooling fluid through the cooling jacket thereby crystallizing high purity aluminum on the cooled inner vessel wall. An apparatus for carrying out the above process is also described.

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IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 57 (C-98)[935], 14th April 1982; & JP-A-56 169 736 (SUMITOMO KEIKINZOKU KOGYO K.K.) 26-12-1981

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