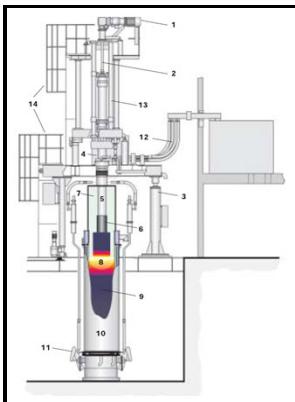


Electroslag remelting

Joint Publications Research Service - ESR



Description: -

-Electroslag remelting

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JPRS 22217 Electroslag remelting

Notes: Translation of Elektroshlakovyy Pereplav. Moscow, 1963.

This edition was published in 1965



Filesize: 61.92 MB

Tags: #electroslag #remelting #furnace

US3989091A

The microstructure for centrifugal casting blade is finer than that for gravity casting blade, however, a large number of dendritic γ segregation appeared in the blade edge of centrifugal casting, which resulted from the fast cooling rate of centrifugal casting surface.

ELECTROFLUX precision

As the solubility of nitrogen is proportional to the square root of its partial pressure, it is possible to introduce large amounts of nitrogen into the melt and allow it to solidify under higher pressure.

ELECTROFLUX precision

Processes, systems, and apparatus for forming products from atomized metals and alloys Also Published As Publication number Publication date 1977-06-17 1974-01-23 1973-01-19 1975-09-10 1975-05-27 1975-09-27 1974-02-11 1974-03-02 1977-11-25 Similar Documents Publication Publication Date Title 1993-01-26 Method and apparatus for purifying silicon 1999-10-26 Method for purifying silicon 1973-11-27 Induction melting of metals in cold, self-lined crucibles 1988-08-03 Method for induction melting reactive metals and alloys 1994-07-26 Electroslag refining of titanium to achieve low nitrogen 1956-04-24 Process of zone refining an elongated body of metal 1961-10-24 Method of producing high-quality ingots of reactive metals 2004-07-15 Process for producing a nickel-based superalloy 1993-09-24 Direct production of electroslag refined metal 2003-01-24 Process for preparing photovoltaic quality silicon comprises oxygen or chlorine refining, re-melting, transfer of molten silicon to plasma refining in crucible furnace, refining under plasma and pouring into mold under controlled atmosphere 1982-01-26 Phosphorous removal in silicon purification 1989-03-09 Method for producing titanium alloys 2015-06-24 A kind of rotary crystallizer of esr 2002-04-09 Method and apparatus for purifying silicon 1963-01-15 Method of producing sound and homogeneous ingots 1975-03-04 Method of electric refining of metals by slag, known as the E. For high nitrogen containing steels, the nitrogen alloying leads to form broken eutectic lattice and reduce eutectic colonies.

Electro

Also, this project is supported by the National Nature Science Foundation of China with the Grant No. Scrap from the production process, recycled material, master alloys and pure metals are used in the VIM furnace to obtain the correct chemistry after melting. Such electrodes were

electro-slag remelted under pre-fused calcium fluoride CaF₂ based slag with different additions of alumina Al₂O₃, calcium oxide CaO and titanium oxide TiO₂.

Deoxidation of Electroslag Remelting (ESR)

Metallurgical Plant and Technology International Germany , 22, 36-38.

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