

Title (en)

SYSTEM FOR DETECTING INCLUSIONS IN MOLTEN METALS

Title (de)

VORRICHTUNG ZUM NACHWEIS VON EINSCHLÜSSEN IN GESCHMOLZENEN METALLEN

Title (fr)

SYSTEMS FOR DETECTING AND MEASURING INCLUSIONS

Publication

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Application

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Abstract (en)

[origin: CA2404560A1] The present invention relates to systems of methods of detecting and measuring inclusions in liquid metals. More particularly, non-metallic inclusions having a conductivity level different from the liquid metal melt are forced to migrate and are collected on a measurement surface using electromagnetic Lorentz forces. The inclusions and their concentrations are detected at the measurement surface using either an electrostatic detection system or an optical detection system.

IPC 1-7

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IPC 8 full level

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IPC 8 main group level

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