

Title (en)

Device for introducing a treatment agent, particularly a gaseous treatment agent, in a vessel filled with molten metal

Title (de)

Vorrichtung zum Einleiten eines insbesondere gasförmigen Behandlungsmediums in einen mit flüssigem Metall gefüllten Behälter

Title (fr)

Dispositif pour introduire un agent de traitement, en particulier un agent de traitement gazeux, dans un récipient de métal liquide

Publication

**EP 1163964 B1 20061004 (DE)**

Application

**EP 01113868 A 20010607**

Priority

DE 10029995 A 20000617

Abstract (en)

[origin: EP1163964A1] Apparatus for introducing a gaseous treating medium into a container filled with liquid metal comprises a metallic inner tube (1) with a metal casing (5) to secure a refractory jacket (4) penetrated by an outlet channel. The casing consists of at least two corrugated rods (6) having a rounded outer cross-section fixed to the inner tube. Preferred Features: The corrugated rods are formed as a helix and have a circular or oval cross-section. The rods are hollow and are shrunk onto the inner tube.

IPC 8 full level

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CPC (source: EP)

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Cited by

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**EP 1163964 A1 20011219; EP 1163964 B1 20061004**; AT E341411 T1 20061015; DE 10029995 A1 20011220; DE 50111126 D1 20061116

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