

Title (en)

Apparatus for injecting gas into molten metal

Title (de)

Vorrichtung zum Einleiten von Gasen in eine Metallschmelze

Title (fr)

Dispositif pour introduire un gaz dans un métal liquide

Publication

EP 1243361 A1 20020925 (EN)

Application

EP 01870054 A 20010319

Priority

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Abstract (en)

The invention concerns an apparatus (1) for injecting gas into molten metal through a molten metal-contacting surface (11) comprising i) a porous refractory body (2) substantially surrounded by a substantially non-porous body (9) except at the molten metal-contacting surface (11); and ii) gas conducting means (3,5) for conveying the gas from a gas source to the porous body (2). The apparatus is characterized in that the non-porous body (11) is made of refractory material and in that the porous and non-porous bodies (2,11) have been co-pressed. This apparatus can be used to inject efficiently and reliably small bubbles into a molten metal bath. <IMAGE>

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03 29 March 1996 (1996-03-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 333 (M - 1150) 23 August 1991 (1991-08-23)

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