

Title (en)
Stirring equipment for the dispersion of gas during the treatment of metal baths.

Title (de)
Rührer zum Einrühren von Gas bei der Behandlung metallener Bäder.

Title (fr)
Dispositif rotatif de dispersion de gaz pour le traitement d'un bain de métal liquide.

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Application
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FR 8116735 A 19810828

Abstract (en)
[origin: ES8307914A1] The invention relates to a rotary gas dispersion device for the treatment of a bath of liquid metal such as aluminum and its alloys, comprising a cylindrical rotor equipped with blades immersed in the bath, connected to a hollow control shaft for the supply of gas, and is characterized in that the rotor is pierced by oblique ducts coupled to radial ducts in which the metal and the gas circulate respectively before being mixed at the point where these ducts join up, emerging in the bath so as to form a fine dispersion which is then distributed in the said bath by means of blades.

Abstract (fr)
L'invention concerne un dispositif rotatif de dispersion de gaz pour le traitement d'un bain de métal liquide. Ce dispositif comporte un rotor en forme de cylindre équipé de palettes plongeant dans le bain relié à un arbre de commande creux servant d'amenée de gaz, et est caractérisé en ce que le rotor est percé de canaux obliques couplés à des canaux radiaux dans lesquels circulent respectivement le métal et le gaz avant d'être mélangés à l'endroit où ces canaux se rejoignent en débouchant dans le bain pour former une dispersion fine qui est ensuite répartie dans ledit bain au moyen de palettes. Il trouve son application dans le traitement notamment de l'aluminium et de ses alliages, dont on veut éliminer l'hydrogène et les impuretés non métalliques.

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