

Title (en)

ROTARY GAS DISPERSION DEVICE FOR TREATING A LIQUID METAL BATH

Title (de)

ROTATIONSVORRICHTUNG ZUM DISPERGIEREN VON GAS FÜR DIE BEHANDLUNG EINER METALLSCHMELZE

Title (fr)

DISPOSITIF ROTATIF DE DISPERSION DE GAZ POUR LE TRAITEMENT D'UN BAIN DE METAL LIQUIDE

Publication

**EP 1332235 A1 20030806 (FR)**

Application

**EP 01978568 A 20011018**

Priority

- FR 0103231 W 20011018
- FR 0013468 A 20001020

Abstract (en)

[origin: US2004021257A1] Rotary injector for injecting gas into a liquid metal includes a drive shaft, stirring means, means for circulating the gas and means for emitting the gas. The emitting means is entirely or partially made of at least one material capable of being wetted by the liquid metal.

IPC 1-7

**C22B 9/05**; **C22B 21/06**; **F27D 23/04**

IPC 8 full level

**B01J 4/00** (2006.01); **C22B 9/05** (2006.01); **C22B 21/06** (2006.01); **C22B 26/22** (2006.01); **F27D 27/00** (2010.01)

CPC (source: EP US)

**C22B 9/05** (2013.01 - EP US); **C22B 21/064** (2013.01 - EP US); **F27D 27/00** (2013.01 - EP US)

Citation (search report)

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Cited by

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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**US 2004021257 A1 20040205**; AT E264406 T1 20040415; AU 1066802 A 20020429; CA 2426268 A1 20020425; CN 1469935 A 20040121; DE 60102832 D1 20040519; DE 60102832 T2 20050421; EP 1332235 A1 20030806; EP 1332235 B1 20040414; ES 2218458 T3 20041116; FR 2815642 A1 20020426; FR 2815642 B1 20030711; JP 2004511661 A 20040415; NO 20031762 D0 20030415; NO 20031762 L 20030415; RU 2270876 C2 20060227; WO 0233137 A1 20020425

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