

Title (en)

Injector installation for metallurgical vessels.

Title (de)

Eindüsvorrichtung für metallurgische Gefäße.

Title (fr)

Dispositif d'injection pour récipients métallurgiques.

Publication

EP 0221250 A1 19870513 (DE)

Application

EP 86110485 A 19860729

Priority

DE 3538498 A 19851030

Abstract (en)

1. Injection device for introducing gases into metallurgical vessels which is replaceably inserted in the refractory vessel lining and comprises a refractory moulded body with gas passages extending from an external gas chamber to the outlet side which together with the gas chamber is surrounded by a sheet metal shell, characterised in that the gas passages (18) are constructed as nozzles with constantly reducing cross-section in the direction from the external gas chamber (11) to the outlet side in such a manner that the drop in velocity which is to be expected of the gas flow along the gas passages (18) is compensated for by the reduction in the cross-section.

Abstract (de)

Eine Eindüsvorrichtung für metallurgische Gefäße soll verbessert und vereinfacht werden, wozu im wesentlichen vorgeschlagen wird, die Gasdurchgänge an den benachbarten Flächen eines Grundkörpers (4.) und eines darin eingesetzten Innenkörpers (6.) anzudrücken und als Düsen (18) mit sich stetig verengendem Querschnitt auszubilden, um Vorteile im Druckgaseinsatz und in der Begasungswirkung zu erzielen.

IPC 1-7

C21C 7/072; C22B 9/05; B22D 1/00

IPC 8 full level

B22D 1/00 (2006.01); **C21C 7/072** (2006.01); **C22B 9/05** (2006.01)

CPC (source: EP)

B22D 1/005 (2013.01); **C22B 9/05** (2013.01)

Citation (search report)

- [X] GB 1594631 A 19810805 - ELECTRICITY COUNCIL
- [YD] DE 8028296 U1 19810527
- [A] EP 0079655 A1 19830525 - HOOGOVENS GROEP BV [NL]
- [Y] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 108 (C-280)[1831], 11. Mai 1985; & JP-A-60 002 615 (NITSUSHIN SEIKOU K.K.) 08-01-1985
- [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 52 (C-213)[1489], 9. März 1984; & JP-A-58 210 112 (SHIN NIPPON SEITETSU K.K.) 07-12-1983

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