

INFORME DE BÚSQUEDA DE PATENTES PARA EL No de Radicación: 14-122613						
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boleanos utilizados)						
Palabras clave utilizadas		Refractory, sealant, casting, valve, conjunto de buza.				
CLASIFICACIONES INTERNACIONALES UTILIZADAS PARA LA BÚSQUEDA		B22D41/08; B22D41/22; B22D41/32; B22D41/36; B22D41/50; B22D41/54; C04B14/20; C04B35/80; C09K21/14; F16J15/06				
BASES DE DATOS CONSULTADAS.						
ESPACENET		Patent scope		PatBase		
INFORMES DE EXÁMENES REALIZADOS EN OTRAS OFICINAS (documentos patentes, literatura no patente etc...)						
Oficina	Fecha del examen o de reporte de búsqueda de documentos	Anterioridades encontradas para el examen o reportados en el examen de búsqueda(relacionarlos todos)	Reiv. afectadas	RELEVANCIA (requisito que afecta)	FUERON TENIDOS EN CUENTA PARA EL EXAMEN EN LA OFICINA COLOMBIANA	
					SI	NO
WIPO	18/11/2013	Refractory jointing materials, in particular for discharge closures on metallurgical vessels DE3620413	16,17 / 1-15	Novedad/A		X
		Metallurgical gasket WO02083344	16,17 / 1-15	Novedad/A		X
		Metallurgical pouring vessels EP0598479	16 / 1-15, 17	Novedad/A		X
		Intumescent material US4945015	16, 17	Novedad/A	X	
		Stopper rod WO0108837	16	Novedad		X
		Expandable graphite intercalation compounds, method for synthesizing them and their use US2003157015	2	A		X
		Expandable gasket, sealed joint and method of forming same US5531454	2	A		X
		Expandable graphite and method US6149972	3	A		X
DOCUMENTOS ADICIONALES ENCONTRADOS POR EL EXAMINADOR DE ACUERDO A LOS CRITERIOS DE BÚSQUEDA.						
Nozzle assembly having inert gas distributor EP0866739						
Refractory assemblies EP0282247						
Metallurgical pouring vessels US5374036						

Observaciones	
Fecha del reporte de búsqueda:	30/10/2015

Refractory sealant casting valve patents

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Patent US5670075 - Sealing gas delivery system for sliding ...
www.google.com/patents/US5670075 - Traducir esta página
A slide plate for a continuous casting slide valve comprising a plate having an ... A slide plate of claim 1 wherein said refractory inserts occupy about half the ...

Patent EP0282247A1 - Refractory assemblies - Google ...
www.google.com/patents/EP0282247A1?c=en - Traducir esta página
14 sept. 1988 - The joint-sealing composition comprises a mixture of a low melting (say within ... composition for use with refractory components in a pouring assembly for casting of ... In place of stopper rod valve closures, a slide gate control ...

Patent US5676195 - Method of and apparatus for limiting ...
https://www.google.com.ar/patents/US5676195 - Traducir esta página
A tube assembly for use in continuous casting of metal comprising ... is poured from a ladle or tundish through a valve, commonly a slide valve, through a refractory ... Inert sealing gas is fed from outside the shroud, through the tube holder wall, ...

Patent US3904566 - Jointing compositions - Google Patents
www.google.com.au/patents/US3904566 - Traducir esta página
Examples of such sliding gate valve installations are described in U.K. Pat. ... shows parts of a sliding gate valve assembly adapted for use in the casting of steel ... It was found that the composition provided an excellent highly refractory seal at ...

Patent US3760993 - Slide closure for receptacle for molten ...
www.google.is/patents/US3760993 - Traducir esta página
A slide valve for a steel ladle has a removable housing supporting a refractory ... During this operation, which usually takes more than an hour, the casting ladle is idle. ... Sealing between the sleeve 3 and the orifice plate 11 is obtained by a ...

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EP 0 866 739 B1

EUROPEAN PATENT SPECIFICATION

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PCT/US96/16379

(87) International publication number:
WO 97/13399 (17.04.1997 Gazette 1997/17)

(54) NOZZLE ASSEMBLY HAVING INERT GAS DISTRIBUTOR
DÜSENANORDNUNG MIT INERTGASVERTEILUNG
TUYÈRE COMPORTANT UN RUECTEUR DE GAZ INERTE

(84) Designated Contracting States:
AT BE CH DE ES FR GB IT LI SE

(30) Priority: 10.10.1995 US 541790
09.07.1996 US 677339

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(56) References cited:
GB-A-2 157 210 US-A-4 836 508
- PATENT ABSTRACTS OF JAPAN vol. 016, no. 300 (M-1630), 19 July 1996 & JP 05 190315 A (KUROGAKI REFRACT CO LTD), 19 April 1994,
- PATENT ABSTRACTS OF JAPAN vol. 016, no. 335 (M-1385), 21 July 1992 & JP 04 100662 A (KAWASAKI REFRACT CO LTD) (1995-07), 1 April 1995,
- PATENT ABSTRACTS OF JAPAN vol. 016, no. 567 (M-1059), 17 December 1990 & JP 02 241867 A (TOSHIBA CERAMICS CO LTD), 26 September 1990.

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Bibliographic data: EP0282247 (A1) — 1988-09-14
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Refractory assemblies.
Page bookmark EP0282247 (A1) - Refractory assemblies.
Inventor(s): LEE STEPHEN JOHN ±
Applicant(s): THOR CERAMICS LTD [GB] ±
Classification: - international: B22D41/28; B22D41/50; (IPC1-7): B22D11/10; B22D41/08
- cooperative: B22D41/28; B22D41/502
Application number: EP19880301946 19880307
Priority number(s): GB19870005224 19870306
Also published as: EP0282247 (B1)
Abstract of EP0282247 (A1)
Translate this text into [1]
Spanish patenttranslate powered by EPO and Google
A refractory pouring assembly (4, 6, 7, 9; 23, 24, 26, 27, 29; 33, 34, 39) comprises at least one refractory component having a jointing surface adapted to mate with a corresponding surface of another component of the assembly and to which there may be applied primary and secondary, mutually spaced deposits of cement sealant (11, 12, 15, 16, 36, 37), wherein said jointing surface is provided with a recess (5, 8, 13, 25, 28, 35) for receiving a malleable sealing composition which melts under pouring conditions to form a reactive material of initially low

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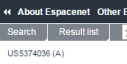
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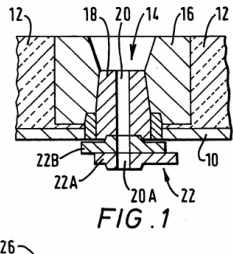
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