

EUROPEAN PATENT APPLICATION

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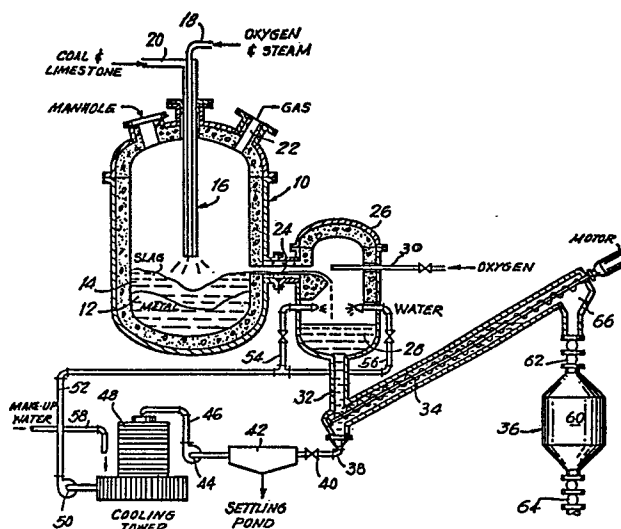
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Process for production of gaseous mixture of carbon monoxide and hydrogen and melter-gasifier system for carrying out the process.

An improved method of removing molten slag from the surface of a molten iron bath (12) in a pressurized melter-gasifier (10) for producing a gaseous mixture of carbon monoxide and hydrogen from coal. The molten slag (14) is continuously removed from the melter-gasifier (10) and quenched in a water bath (28). The resulting granular slag is separated from the quenching water (28) and the slag (14) and quenching water are separately removed from the pressurized system. Water economy is achieved by cooling the separated quenching water at atmospheric pressure and then pumping it back into the pressurized system.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Y	GB-A- 800 812 (KOHLENSCHEIDUNGS-GmbH) * Page 3, lines 43-105 *	1	C 10 J 3/57
Y	--- US-A-3 175 566 (DANIELS) * Column 3, line 54 - column 5, line 10 *	1	
A	--- GB-A-2 088 892 (SUMITOMO) * Pages 4,5, examples 1,2 *	2,5	
A	--- GB-A-2 078 779 (KLÖKNER-HUMBOLDT-DEUTZ) * Page 2, lines 3-12, 60-107 *	3,5	
D,A	--- DE-A-2 950 865 (KLÖCKNER-HUMBOLDT-DEUTZ) * Pages 1-4 * & US - A - 4 344 773 -----	1,5	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			C 10 J
Place of search THE HAGUE		Date of completion of the search 05-07-1985	Examiner WENDLING J.P.
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			