



Europäisches Patentamt
European Patent Office
Office européen des brevets

Publication number:

0 092 856
A3

12

EUROPEAN PATENT APPLICATION

21 Application number: 83200434.5

51 Int. Cl.³: C 10 J 3/46, C 10 J 3/84

22 Date of filing: 28.03.83

30 Priority: 26.04.82 NL 8201715

71 Applicant: **SHELL INTERNATIONALE RESEARCH
MAATSCHAPPIJ B.V.**, Carel van Bylandtlaan 30,
NL-2596 HR Den Haag (NL)

43 Date of publication of application: 02.11.83
Bulletin 83/44

72 Inventor: **Bodewes, Johannes Mattheus Maria, Carel van
Bylandtlaan 30, NL-2596 HR The Hague (NL)**

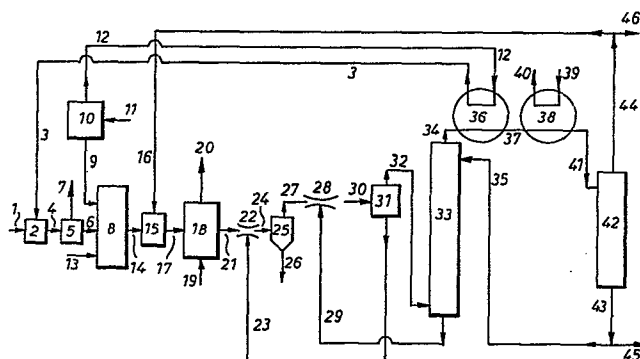
84 Designated Contracting States: **BE DE FR GB IT**

88 Date of deferred publication of search
report: 04.07.84 Bulletin 84/27

74 Representative: **Puister, Antonius Tonnis, Mr. et al, P.O.
Box 302, NL-2501 CH The Hague (NL)**

54 A process for the gasification of a solid carbon-containing fuel.

57 Coal is ground, dried and subsequently subjected to a partial combustion with oxygen or oxygen-enriched air, the oxygen having been obtained from an air separation plant. Hot synthesis gas produced by the partial combustion is first cooled to 100–500 °C and then further cooled to 25–250 °C by means of indirect heat exchange with a nitrogen-rich gas stream obtained in the air separation plant. Preferably, the heated nitrogen-rich gas stream is used to dry the coal.



EP 0 092 856 A3



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)
A	US-A-3 976 442 (PAULL) * Column 8, line 36 - column 9, line 41 *		C 10 J 3/46 C 10 J 3/84
A	FR-A-2 298 596 (LINDE) * Page 7, lines 1-31 *		
A	US-A-4 272 256 (MITSAK) * Column 2, lines 58-62; column 3, line 33 - column 4, line 10 *		
A	GB-A-1 370 410 (TEXACO) * Page 10, lines 29-46 *		
A	FR-A-2 433 570 (BRENNSTOFFINST. FREIBERG) * Page 7, lines 1-37 *		
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			C 10 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-03-1984	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			