## (12) UK Patent Application (19) GB (11) 2 393 504 (13) A

(43) Date of Printing by UK Office

31.03.2004

(21) Application No:

0402650.6

(22) Date of Filing:

20.08.2002

(30) Priority Data:

(31) 0120272

(32) 21.08.2001

(33) GB

(86) International Application Data:

PCT/GB2002/003844 En 20.08.2002

(87) International Publication Data: WO2003/019095 En 06.03.2003

(71) Applicant(s):

**Gasconsult Limited** (Incorporated in the United Kingdom) 19 Fernbrook Road, Caversham, READING, RG4 7HG, United Kingdom

(72) Inventor(s):

**Anthony Dwight Maunder Geoffrey frederick Skinner** 

(continued on next page)

- (51) INT CL7: F25J 1/02
- (52) UK CL (Edition W): F4P PCA P709 P725 P733 P961

(56) Documents Cited by ISA:

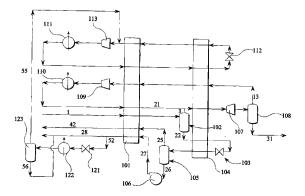
EP 0599443 A WO 1999/031447 A WO 1998/059205 A DE 019821242 A US 6062041 A US 6041620 A US 3818714 A US 3593535 A

(58) Field of Search by ISA:

INT CL<sup>7</sup> F25J

Other: EPO-Internal, WPI Data, PAJ

- (54) Abstract Title: Method for liquefying methane-rich gas
- (57) A method for liquefying methane-rich gas in the form of a feed gas (1) comprising the steps of cooling the gas (A, C, E) and partially liquefying the gas by expansion within an expansion device (F). The pressure of the gas at the inlet (7) of the expansion device is in the range from (40 to 100) bar and the pressure of the gas at the outlet (8) of the expansion device is in the range from (2 to 10) bar.



## GB 2393504 A continuation

(74) Agent and/or Address for Service:
Lloyd Wise
Commonwealth House,
1-19 New Oxford Street, LONDON,
WC1A 1LW, United Kingdom