



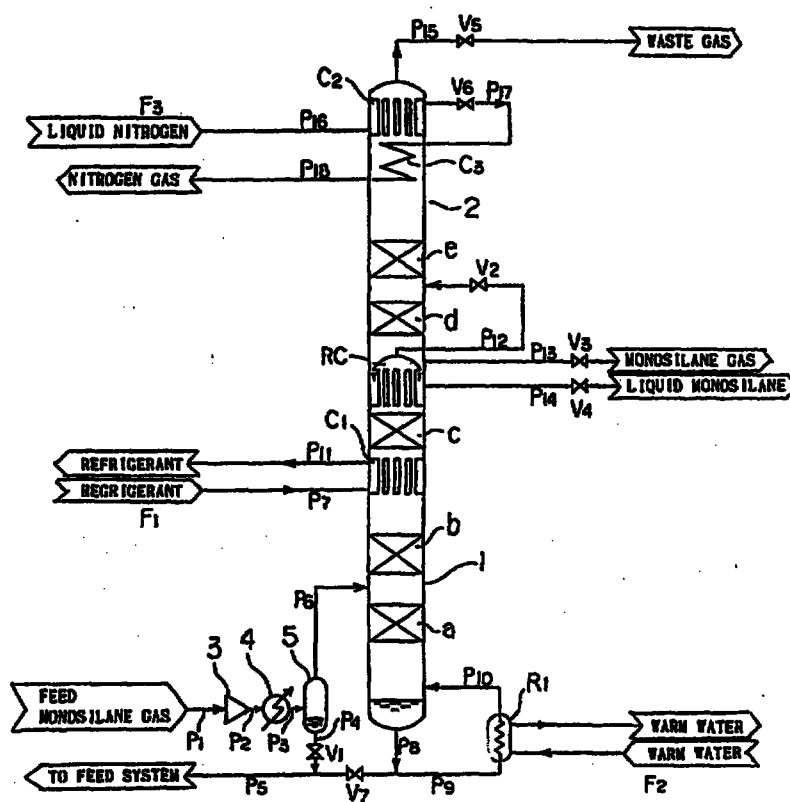
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C01B 33/04, F25J 3/08	A1	(11) International Publication Number: WO 95/26927 (43) International Publication Date: 12 October 1995 (12.10.95)
(21) International Application Number: PCT/EP95/01084 (22) International Filing Date: 22 March 1995 (22.03.95) (30) Priority Data: 6/82618 30 March 1994 (30.03.94) JP (71) Applicant (for all designated States except US): L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE [FR/FR]; 75, quai d'Orsay, F-75321 Paris Cédex 07 (FR). (72) Inventors; and (75) Inventors/Applicants (for US only): NAGAMURA, Takashi [JP/JP]; Harima Factory of Teisan K.K., 16, Niiijima, Harima-cho, Kako-gun, Hyogo-ken (JP). TOMITA, Shinji [JP/JP]; Harima Factory Teisan K.K., 16, Niiijima, Harima-cho, Kako-gun, Hyogo-ken (JP). (74) Common Representative: L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE; 75, quai d'Orsay, F-75321 Paris Cédex 07 (FR).		(81) Designated States: KR, SG, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: METHOD OF PRODUCING ULTRA HIGH PURITY MONOSILANE AND APPARATUS THEREFOR

(57) Abstract

The object of the present invention is to obtain a method and unit for easily and continuously producing high pressure gaseous monosilane and high pressure liquid monosilane, each having an ultra high purity. In the ultra high purity monosilane producing method, a feed monosilane gas is pressurized, cooled down and subjected to a gas-liquid phase separation; the separated gas phase is introduced to a lower rectification column 1 so as to be rectified; the gas obtained through this rectification is introduced to an upper rectification column 2 so as to be rectified, wherein a gaseous monosilane product or liquid monosilane product having an ultra high purity is taken out of the bottom portion of said upper rectification column.



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