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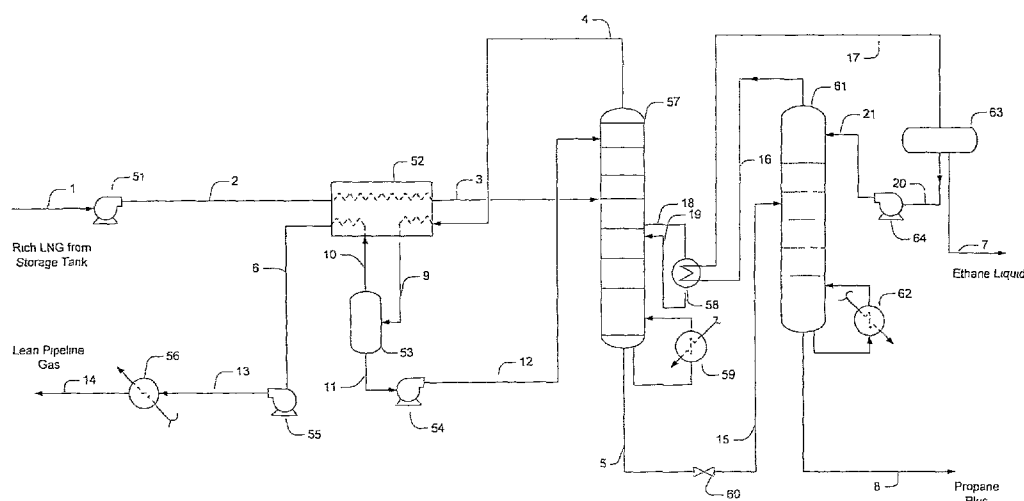
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(54) Title: HIGH ETHANE RECOVERY CONFIGURATIONS AND METHODS IN LNG REGASIFICATION FACILITIES



(57) Abstract: LNG is processed in contemplated plants and methods such that refrigeration content of the LNG feed is used to provide reflux duty to the demethanizer and to further condense a vapor phase of the demethanizer overhead product. In such plants, the demethanizer provides a bottom product to a deethanizer, wherein a demethanizer side draw provides refrigeration to the deethanizer overhead product to thus form an ethane product and deethanizer reflux.

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B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U S 62/630, 620, 631

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NoneElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
None

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 6,116,050 A (YAO et al) 12 September 2000 (12 09 2000), see entire document	1-3,5-1 3,15-20
Y	US 6,907,752 B2 (SCHROEDER et al) 21 June 2005 (21 06 2005), see entire document, especially figure 4	1-3,5-1 3 and 15-20
Y	US 7,010,937 B2 (WILKINSON et al) 14 March 2006 (14 03 2006), see figure 4	7,17
A	US 2003/00291 90 A1 (TREBBLE) 13 February 2003 (13 02 2003), see entire document	1-20
A	US 3,849,096 A (KNIEL) 19 November 1974 (19 11 1974), see entire document	1-20
P ₁ A	US 2006/0277943 A1 (YOKOHATA et al) 14 December 2006 (14 12 2006), see entire document	1-20



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