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[21] Application No.: GCC/P/2002/1830 [22] Filing Date: 27/01/2002 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/265,658 31/01/2001 US [72] Inventors: 1- Moses Minta, 2- Ronald R. Bowen, 3- James R. Rigby [73] Owner: ExxonMobil Upstream Research Company, 2189, Houston, Texas 77252-2189, USA [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl. ⁷ : F25J 3/00 [56] Cited Documents: - US 4828591 A (YAN) 09 May 1989 - US 6062041 A (KIKKAWA et al.) 16 May 2000 - US 6199403 B1 (COLE et al) 13 March 2001 - US 6333445 B1 (O'BRIEN) 25 December 2001

[54] PROCESS OF MANUFACTURING PRESSURIZED LIQUID NATURAL GAS CONTAINING HEAVY HYDROCARBONS

[57] Abstract: The invention relates to a process of manufacturing a pressurized multi-component liquid from a pressurized, multi-component stream, such as natural gas, which contains C₅₊ components and at least one component of C₁, C₂, C₃, or C₄. The process selectively removes from the multi-component stream one or more of the C₅₊ components that would be expected to crystallize at the selected temperature and pressure of the pressurized multi-component liquid product and leaves in the multi-component stream at least one C₅₊ component. The multi-component stream is then liquefied to produce a pressurized liquid substantially free of crystallized C₅₊ components. The removal of the C₅₊ components can be by selective fractionation or crystallization.

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No. of figures: 7

