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(54) **Air separation unit and systems incorporating the same**

(57) A system 50 comprising an air separation unit (ASU) 12 is provided. The ASU 12 is configured to produce liquid nitrogen and pressurize to higher pressure using a pump. ASU 12 may be further configured to produce liquid oxygen that can be directly pressurized to be

used in required applications 14. System 50 may further include oxy-fuel combustion system 14, integrated gas turbines 64 and integrated enhanced oil and / or gas recovery units 78. Methods of operating the system included.

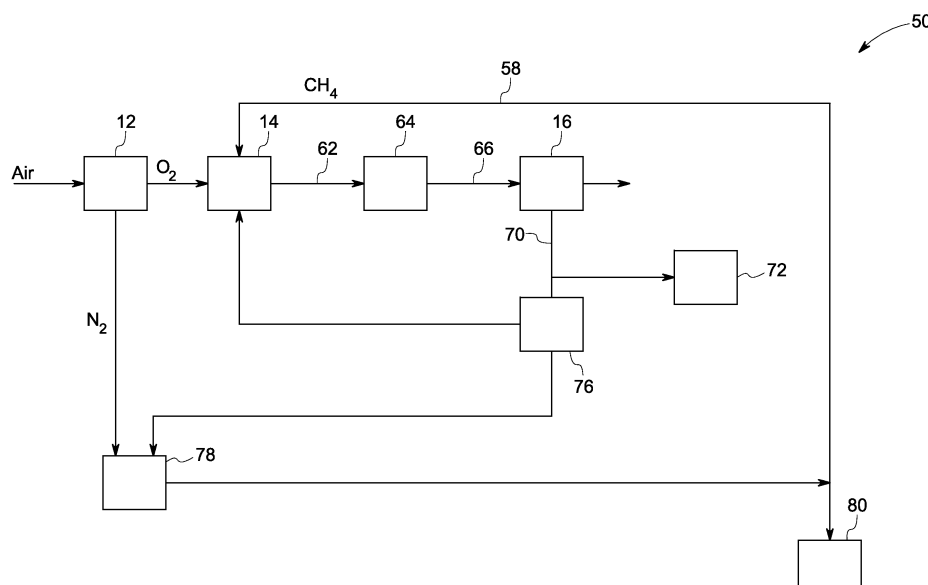


FIG. 4



EUROPEAN SEARCH REPORT

Application Number
EP 12 17 3515

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 7 February 2018	Examiner Göritz, Dirk
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ANNEX TO THE EUROPEAN SEARCH REPORT
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