

Title (en)
SYSTEM, METHOD AND APPARATUS

Title (de)
SYSTEM, VERFAHREN UND VORRICHTUNG

Title (fr)
SYSTÈME, PROCÉDÉ ET APPAREIL

Publication
EP 3025088 A2 20160601 (EN)

Application
EP 14744936 A 20140725

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Abstract (en)
[origin: GB2516509A] A system 10 for reducing pressure in a gas flow for a gas let-down system comprises an expander 102 driven by gas at a first pressure expanding to a second pressure, and a compressor 104 for compressing the gas from the second pressure to a third pressure, whereby the third pressure is lower than the first pressure and the third pressure is higher than the second pressure. By first expanding the gas and then compressing the gas the intermediate temperature of the gas at the second pressure is lower than if the gas is expanded directly to the third pressure. Further, a drying system (500 figure 7) for drying a gaseous fluid supplying heat to a heat exchanger 108 comprises a liquid separator (502 figure 7), a heat exchanger downstream of the liquid separator and a cooler for extracting heat from the gaseous fluid upstream of the liquid separator using the cold gas downstream of the heat exchanger. By extracting heat from the gaseous fluid the temperature of the gaseous fluid at the inlet to the separator can be reduced causing liquid in the gaseous fluid to condense and be separated in the separator.

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