

Title (en)  
METHOD FOR COMPRESSING A GAS MIXTURE COMPRISING NEON

Title (de)  
VERFAHREN ZUM VERDICHTEN GASMISCHUNG UMFASSEND NEON

Title (fr)  
PROCÉDÉ DE COMPRESSION D'UN MÉLANGE DE GAZ COMPRENANT DU NÉON

Publication  
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Application  
**EP 16206671 A 20161223**

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Abstract (en)  
The present invention relates to a method for compressing a gas mixture comprising neon, in a closed-loop cycle. The method comprises: providing a flow of the gas mixture and providing a compression device having at least one gas seal (33) and providing a gas seal flow to the at least one gas seal. The gas mixture is then compressed in the compression device, thereby forming a compressed gas mixture. A composition of the gas mixture is measured in at least one location. The method further comprises comparing the measured composition of the gas mixture with respect to a predetermined value or range, and determining if there is a deviation from the predetermined value or range. When a deviation from the predetermined value is determined at least one operating parameter of the process cycle is adjusted to optimise the parameter for the change in composition; and/or the composition of the gas mixture in the cycle is adjusted, so that the measured composition of the gas mixture no longer deviates from the predetermined value or range.

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