

Title (en)

METHOD AND APPARATUS FOR COOLING A HYDROCARBON STREAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KÜHLUNG EINES KOHLENWASSERSTOFFFREICHEN STROMES

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR RÉFRIGÉRER UN COURANT D'HYDROCARBURES

Publication

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Application

EP 07822489 A 20071112

Priority

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- EP 06124012 A 20061114
- EP 07822489 A 20071112

Abstract (en)

[origin: WO2008058926A2] A method of cooling a hydrocarbon stream such as natural gas, the method at least comprising the steps of: (a) providing a feed stream (10); (b) passing the feed stream (10) through a gas treatment stage (2) comprising one or more (number: X) parallel gas treatment units (14a, 14b), the feed stream (10) being divided into two or more part-feed streams (20a, 20b) if there is more than one gas treatment unit, to provide one or more first treated streams (30a, 30b); (c) passing the first treated stream or streams (30a, 30b) of step (b) through an NGL extraction stage (4) comprising one or more (number: Y) parallel NGL extraction units (16a, 16b), the first treated stream or streams (30a, 30b) being shared to match the number of NGL extraction units (16a, 16b), to provide one or more second treated streams (40a, 40b); and (d) passing the second treated stream or streams (40a, 40b) of step (c) through a cooling stage (6) comprising one or more (number: Z) parallel cooling systems (22), the second treated stream or streams (40a, 40b) being shared to match the number of cooling systems (22), to provide a cooled hydrocarbon stream or streams.

IPC 8 full level

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CPC (source: EP US)

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