

Title (en)

COMPRESSOR ANTI-SURGE PROTECTION UNDER WET GAS CONDITIONS

Title (de)

PUMPSCHUTZ FÜR VERDICHTER UNTER FEUCHTEN GASBEDINGUNGEN

Title (fr)

PROTECTION CONTRE POMPAGE POUR COMPRESSEUR DANS DES CONDITIONS DE GAZ HUMIDE

Publication

EP 3482081 B1 20231122 (EN)

Application

EP 17734763 A 20170706

Priority

- IT 201600070852 A 20160707
- EP 2017066909 W 20170706

Abstract (en)

[origin: WO2018007509A1] A method for anti-surge protection of a compressor (7) under wet gas conditions is described. The compressor comprises a suction side (7S) and a delivery side (7D). An anti-surge system is arranged between the delivery side and the suction side of the compressor. The method comprises the following steps: calculating a surge limit line in a compression ratio vs. corrected power diagram; determining a compressor operating point in said compression ratio vs. corrected power diagram; detecting a distance between the operating point and the surge limit line; acting on the anti-surge system of the compressor if the distance is below a minimum safety distance.

IPC 8 full level

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CPC (source: EP KR US)

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