

Title (en)

ASSEMBLY HAVING TWO COMPRESSORS, METHOD FOR RETROFITTING

Title (de)

ANORDNUNG MIT ZWEI VERDICHTERN, VERFAHREN ZUM NACHRÜSTEN

Title (fr)

DISPOSITIF AVEC DEUX COMPRESSEURS, PROCÉDÉ D'ÉQUIPEMENT ULTÉRIEUR

Publication

EP 3230594 A1 20171018 (DE)

Application

EP 16706177 A 20160224

Priority

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- EP 2016053826 W 20160224

Abstract (en)

[origin: WO2016142171A1] The invention relates to an assembly having a first compressor train (CT1) and a second compressor train (CT2) for compressing a process fluid (PF), wherein the first compressor train (CT1) comprises a first drive (DR1) and a first compressor (CO1), wherein the second compressor train (CT2) comprises a second drive (DR2) and a second compressor (CO2), wherein the first compressor train (CT1) is not mechanically coupled to rotating parts of the second compressor train (CT2) for transmission of torque, wherein the two compressors (CO1) of the different compressor trains (CT1, CT2) are directly connected to each other fluidically by means of a connecting fluid line (CFC) in such a way that the first compressor (CO1) is arranged upstream of the second compressor (CO2). In order that a power increase over conventional systems can be achieved economically, it is advantageous if the first compressor (CO1) compresses at a pressure ratio between 1.1 and 1.6 before the process fluid (PF) is fed to the second compressor (CO2).

IPC 8 full level

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CPC (source: CN EP RU US)

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Citation (search report)

See references of WO 2016142171A1

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