

Title (en)

COMPRESSOR AND METHOD FOR CONVEYING AND COMPRESSING A CONVEYING FLUID INTO A TARGET SYSTEM

Title (de)

KOMPRESSOR UND VERFAHREN ZUR FÖRDERUNG UND VERDICHTUNG EINES FÖRDERFLUIDS IN EIN ZIELSYSTEM

Title (fr)

COMPRESSEUR ET PROCÉDÉ DE TRANSPORT ET DE COMPRESSION D'UN FLUIDE DE TRANSPORT DANS UN SYSTÈME CIBLE

Publication

**EP 3835579 B1 20220622 (DE)**

Application

**EP 20206898 A 20201111**

Priority

DE 102019133576 A 20191209

Abstract (en)

[origin: US2021172428A1] A compressor and a method for conveying and compressing a fluid into a target system. The compressor has a first drive part having a first drive piston, a second drive part having a second drive piston and at least a first high-pressure part having a high-pressure piston. The first drive piston and the second drive piston are each able to be subjected to a drive fluid piston on alternate sides controlled via a first control unit. The first drive, the second drive piston and the high-pressure piston are jointly movable axially coupled via a piston rod arrangement. The second drive part is assigned a second control unit, which is arranged after the first control unit and via which the subjecting of the second drive piston to drive fluid is able to be activated.

IPC 8 full level

**F04B 35/00** (2006.01)

CPC (source: EP US)

**F04B 35/008** (2013.01 - EP); **F04B 37/12** (2013.01 - US); **F04B 39/0022** (2013.01 - US); **F04B 39/0027** (2013.01 - US)

Citation (examination)

DE 102018109443 B4 20201001 - SERA GMBH [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102019133576 B3 20201217**; EP 3835579 A1 20210616; EP 3835579 B1 20220622; US 11428217 B2 20220830; US 2021172428 A1 20210610

DOCDB simple family (application)

**DE 102019133576 A 20191209**; EP 20206898 A 20201111; US 202017115040 A 20201208