

Title (en)

CONDITIONING APPARATUS AND METHOD FOR CONDITIONING A GASEOUS MEDIUM, AND INSTALLATION AND METHOD FOR TREATING WORKPIECES

Title (de)

KONDITIONIERVORRICHTUNG UND VERFAHREN ZUM KONDITIONIEREN EINES GASFÖRMIGEN MEDIUMS SOWIE ANLAGE UND VERFAHREN ZUM BEHANDELN VON WERKSTÜCKEN

Title (fr)

DISPOSITIF DE CONDITIONNEMENT ET PROCÉDÉ DE CONDITIONNEMENT D'UN MILIEU GAZEUX ET INSTALLATION ET PROCÉDÉ DE TRAITEMENT DE PIÈCES

Publication

EP 3494353 A1 20190612 (DE)

Application

EP 17749434 A 20170803

Priority

- DE 102016114466 A 20160804
- EP 2017069735 W 20170803

Abstract (en)

[origin: WO2018024853A1] A conditioning apparatus for conditioning a gaseous medium (12) to form a conditioned gaseous process medium (14) comprises an inlet connection unit (36) and an outlet connection unit (38), between which there is formed a flow path for gaseous medium (12) having one or more conditioning stages (40), of which at least one comprises a heat exchanger (72). The heat exchanger (72) has a heat exchanger chamber (76) in which a heat exchanger element (78; 118) is at least partially accommodated and to which gaseous medium (12) for conditioning can be supplied, wherein, in the heat exchanger (72), there are sensitive material regions which can be damaged by the gaseous medium (12). A heat exchanger protection system (100) is provided by means of which such sensitive regions of the heat exchanger (72) can be impinged on with a protective gas (110). Also specified are a method for conditioning a gaseous medium, and an installation and a method for treating workpieces.

IPC 8 full level

F28F 19/00 (2006.01); **F28D 1/047** (2006.01)

CPC (source: EP US)

B05B 16/60 (2018.01 - EP US); **F28D 1/0477** (2013.01 - EP US); **F28F 19/00** (2013.01 - EP US); **F28F 2265/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2018024853A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018024853 A1 20180208; CN 109416232 A 20190301; DE 102016114466 A1 20180208; EP 3494353 A1 20190612; US 2019186836 A1 20190620

DOCDB simple family (application)

EP 2017069735 W 20170803; CN 201780042683 A 20170803; DE 102016114466 A 20160804; EP 17749434 A 20170803; US 201716322749 A 20170803