

Title (en)

METHOD AND APPARATUS FOR CLEANING SURFACES OF A FINNED HEAT EXCHANGER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REINIGUNG VON FLÄCHEN EINES LAMELLENWÄRMETAUSCHERS

Title (fr)

PROCÉDÉ ET DISPOSITIF DESTINÉS À NETTOYER DES SURFACES D'UN ÉCHANGEUR DE CHALEUR À AILETTES

Publication

**EP 2877806 B2 20211117 (DE)**

Application

**EP 13759427 A 20130723**

Priority

- DE 102012014605 A 20120724
- DE 2013100273 W 20130723
- DE 202009018911 U 20090216

Abstract (en)

[origin: WO2014015860A1] The invention relates to a method for cleaning surfaces of a finned heat exchanger, wherein compressed air and water are used for cleaning and the compressed air is supplied to a jet nozzle (1), which has a section (7) converging to a constriction (6) and a subsequent diverging section (8), and the water or another liquid substance is fed into the flow of compressed air preferably upstream of the jet nozzle (1), or in a different embodiment upstream of, in or downstream of the constriction (6) in the jet nozzle, wherein the jet nozzle (1) is directed at the cavity in a finned heat exchanger formed by the fins, wherein the jet penetrates the cavity between adjacent fins for the purpose of cleaning the fin surfaces.

IPC 8 full level

**F28G 1/16** (2006.01)

CPC (source: EP US)

**B05B 7/0075** (2013.01 - EP US); **B05B 7/0483** (2013.01 - EP US); **B08B 3/02** (2013.01 - EP US); **F28G 1/166** (2013.01 - EP US); **F28G 9/00** (2013.01 - US)

Cited by

DE102019005166A1; DE102020001000A1; WO2021023328A1; DE202022103564U1; DE102017101850A1; WO2018077326A1

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 202009018911 U1 20140708**; DE 102012014605 A1 20140306; EP 2877806 A1 20150603; EP 2877806 B1 20180411; EP 2877806 B2 20211117; JP 2015524546 A 20150824; PL 2877806 T3 20180831; US 2015129171 A1 20150514; WO 2014015860 A1 20140130

DOCDB simple family (application)

**DE 202009018911 U 20090216**; DE 102012014605 A 20120724; DE 2013100273 W 20130723; EP 13759427 A 20130723; JP 2015523421 A 20130723; PL 13759427 T 20130723; US 201314404991 A 20130723