

Title (en)

Cleaning of channels through which at least one process fluid is flowing

Title (de)

Abreinigung von mit mindestens einem Prozessfluid durchströmten Kanälen

Title (fr)

Nettoyage de canaux traversés par au moins un fluide de traitement

Publication

EP 2657639 A3 20171011 (DE)

Application

EP 13156556 A 20130225

Priority

DE 102012206704 A 20120424

Abstract (en)

[origin: EP2657639A2] The device has an adjustment device that regulates supply of cleaning medium into cleaning channels by positioning the closure element (1) in partly curved hollow casing. A gear element of adjustment device transmits shear forces from stationary portion (2a) to rotating portion (2b) of casing. A drive or output element (6) connected to closure element, transmits shear force in a direction which forms a preset angle with respect to direction of transmission of shear force from first drive or output element (4). The two output elements are connected by a four-bar chain (5). Independent claims are included for the following: (1) heat exchanger; and (2) method for cleaning mass storage of heat exchanger.

IPC 8 full level

F28G 9/00 (2006.01); **F28G 15/04** (2006.01)

CPC (source: EP)

F28G 9/005 (2013.01); **F28G 15/04** (2013.01)

Citation (search report)

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- [X] DE 823199 C 19511203 - JOHANNES SCHMID FA
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Cited by

CN114405938A

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)

EP 2657639 A2 20131030; EP 2657639 A3 20171011; CN 103372558 A 20131030; CN 103372558 B 20160921;
DE 102012206704 A1 20131024; DE 102012206704 B4 20180712; JP 2013228197 A 20131107; JP 6253247 B2 20171227

DOCDB simple family (application)

EP 13156556 A 20130225; CN 201310141595 A 20130423; DE 102012206704 A 20120424; JP 2013091594 A 20130424