

Title (en)

PRECIPITATION TUBE BUNDLE FOR A WET ELECTROSTATIC PRECIPITATOR, AND MANUFACTURING METHOD

Title (de)

NIEDERSCHLAGSROHRBÜNDEL FÜR EINEN NASSELEKTROFILTER UND HERSTELLUNGSVERFAHREN

Title (fr)

FAISCEAU DE TUBES DE PRÉCIPITATION POUR UN ÉLECTROFILTRE PAR VOIE HUMIDE ET MÉTHODE DE FABRICATION

Publication

EP 3164220 A1 20170510 (DE)

Application

EP 16716459 A 20160311

Priority

- DE 102015103759 A 20150313
- DE 2016100111 W 20160311

Abstract (en)

[origin: WO2016146104A1] The invention relates to a precipitation tube (1; 1'') and to a precipitation tube bundle (100; 100') for a wet electrostatic precipitator, in particular for separating dusts, gases, and/or aerosols from exhaust gases. The precipitation tube (1; 1'') is distinguished in that the precipitation tube is designed as a modular tube system, comprising at least two wall parts (2, 3), which each form a periphery segment (4, 5) of the inner periphery (6) of the precipitation tube (1; 1'') and are connected to each other so as to form at least part of the inner circumference (6) of the precipitation tube (1; 1''), and/or comprising at least two wall parts, which each form a length segment of the precipitation tube and are connected to each other so as to form at least part of the length of the precipitation tube. The precipitation tube bundle (100; 100') is distinguished in that the precipitation tube bundle is designed as a modular tube bundle system and, for this purpose, has a plurality of precipitation tubes (1; 1'; 1''; 50) and a supporting structure (110; 110'; 110'') combining the<sb /> precipitation tubes (1; 1'; 1''; 50) as a bundle, on which supporting structure the precipitation tubes (1; 1'; 1''; 50) are detachably held by means of connecting elements (200). The invention further relates to a method for producing a precipitation tube bundle (100; 100').

IPC 8 full level

B03C 3/06 (2006.01); **B03C 3/49** (2006.01); **B03C 3/86** (2006.01)

CPC (source: EP US)

B03C 3/06 (2013.01 - EP US); **B03C 3/16** (2013.01 - EP US); **B03C 3/49** (2013.01 - EP US); **B03C 3/86** (2013.01 - EP US)

Citation (search report)

See references of WO 2016146104A1

Cited by

CN107470030A

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)

DE 102015103759 A1 20160915; AU 2016233064 A1 20171026; AU 2016233064 B2 20210610; CL 2017002262 A1 20180316;
DE 112016001184 A5 20171130; EP 3164220 A1 20170510; EP 3164220 B1 20181226; ES 2716738 T3 20190614; PL 3164220 T3 20190830;
SI 3164220 T1 20191129; TR 201904214 T4 20190422; US 10792674 B2 20201006; US 2018043372 A1 20180215;
WO 2016146104 A1 20160922

DOCDB simple family (application)

DE 102015103759 A 20150313; AU 2016233064 A 20160311; CL 2017002262 A 20170907; DE 112016001184 T 20160311;
DE 2016100111 W 20160311; EP 16716459 A 20160311; ES 16716459 T 20160311; PL 16716459 T 20160311; SI 201630208 T 20160311;
TR 201904214 T 20160311; US 201615557154 A 20160311