

Title (en)
DUST COLLECTOR

Title (de)
STAUBABSCHEIDER

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Publication
EP 3991849 A4 20221019 (EN)

Application
EP 21764002 A 20210122

Priority
• JP 2020034983 A 20200302
• JP 2021002341 W 20210122

Abstract (en)
[origin: EP3991849A1] A precipitator comprises a gas pipe through which a treatment target gas flows from an upstream side toward a downstream side; a plurality of trapping parts provided for the gas pipe and configured to trap target particles contained in the treatment target gas; and a connection electrode connected to the plurality of trapping parts. Each of the plurality of trapping parts has: a tubular outer electrode having an internal space through which the treatment target gas passes, and an inner electrode arranged coaxially with the outer electrode in the internal space, the plurality of trapping parts is arranged in parallel in a cross section of the gas pipe, and the connection electrode is connected to the respective inner electrodes of the plurality of trapping parts and is also arranged on a further downstream side than the plurality of trapping parts.

IPC 8 full level
B03C 3/41 (2006.01); **B03C 3/02** (2006.01); **B03C 3/06** (2006.01); **B03C 3/40** (2006.01); **B03C 3/49** (2006.01); **B03C 3/53** (2006.01); **B03C 3/70** (2006.01); **B03C 3/86** (2006.01); **F01N 3/01** (2006.01)

CPC (source: CN EP KR)
B03C 3/025 (2013.01 - EP); **B03C 3/06** (2013.01 - EP); **B03C 3/34** (2013.01 - CN); **B03C 3/41** (2013.01 - CN EP KR); **B03C 3/49** (2013.01 - CN EP KR); **B03C 3/51** (2013.01 - EP); **B03C 3/53** (2013.01 - EP); **B03C 3/70** (2013.01 - EP); **B03C 3/86** (2013.01 - EP); **F01N 3/01** (2013.01 - CN KR); **B03C 2201/30** (2013.01 - EP)

Citation (search report)
• [X1] IT AN20120152 A1 20140521 - S C M SOCIETA COSTRUZIONI METAL LICHE S R L
• [X1] WO 2013139227 A1 20130926 - SHANGHAI CANGQIONG ENVIRONMENTAL PROT TECHNOLOGY CO LTD [CN]
• [X1] EP 2535115 A1 20121219 - GEA BISCHOFF GMBH [DE]
• [I] DE 3844140 C1 19900523
• See references of WO 2021176881A1

Cited by
EP3950140A4

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 3991849 A1 20220504; **EP 3991849 A4 20221019**; CN 114173931 A 20220311; JP 7294521 B2 20230620; JP WO2021176881 A1 20210910; KR 20220025014 A 20220303; WO 2021176881 A1 20210910

DOCDB simple family (application)
EP 21764002 A 20210122; CN 202180004759 A 20210122; JP 2021002341 W 20210122; JP 2022505024 A 20210122; KR 20227002833 A 20210122