

Title (en)

DUST COLLECTION ELECTRODE ASSEMBLY, AIR PURIFICATION DEVICE AND CONTROL METHOD THEREFOR

Title (de)

STAUBSAMMELNDE ELEKTRODENANORDNUNG, LUFTREINIGUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

ENSEMBLE D'ÉLECTRODE DE COLLECTE DE POUSSIÈRE, DISPOSITIF DE PURIFICATION D'AIR ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

EP 3778033 A1 20210217 (EN)

Application

EP 18921673 A 20181219

Priority

- CN 201810578650 A 20180607
- CN 2018121972 W 20181219

Abstract (en)

The present invention provides a dust collection electrode assembly, an air purification device and a control method thereof. The dust collection electrode assembly includes a dust collection electrode (21) and a dust collection electrode support structure, the dust collection electrode is moveable relative to the dust collection electrode support structure to change a position and/or orientation state of the dust collection electrode relative to a generation electrode assembly (1). By changing the position and/or orientation state of the dust collection electrode relative to the generation electrode assembly, the main dust accumulation area of the dust collection electrode (21) can be changed. When there is more dust accumulated in a certain area, the position or orientation state of the dust collection electrode (21) can be changed, so as to change to another area to accumulate dust, thereby effectively reducing the cleaning frequency, slowing down the attenuation of the particulate matter CADR of the purification device, and optimizing the user experience.

IPC 8 full level

B03C 3/47 (2006.01)

CPC (source: CN EP)

B03C 3/011 (2013.01 - EP); **B03C 3/019** (2013.01 - EP); **B03C 3/08** (2013.01 - EP); **B03C 3/10** (2013.01 - EP); **B03C 3/12** (2013.01 - EP); **B03C 3/47** (2013.01 - CN EP); **B03C 3/86** (2013.01 - EP)

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 3778033 A1 20210217; **EP 3778033 A4 20211013**; CN 108722674 A 20181102; CN 108722674 B 20190920; JP 2021517512 A 20210726; JP 7210607 B2 20230123; WO 2019233082 A1 20191212

DOCDB simple family (application)

EP 18921673 A 20181219; CN 201810578650 A 20180607; CN 2018121972 W 20181219; JP 2020554859 A 20181219