

Title (en)
ELECTROSTATIC DUST SEPARATOR FOR PURIFYING AIR AND OTHER DIELECTRIC FLUIDS

Title (de)
ELEKTROFILTER ZUM REINIGEN VON LUFT UND ANDEREN DIELEKTRISCHEN FLUIDEN

Title (fr)
ÉLECTROFILTRE POUR L'ÉPURATION D'AIR ET D'AUTRES FLUIDES DIÉLECTRIQUES

Publication
EP 4017642 A1 20220629 (DE)

Application
EP 21739963 A 20210701

Priority
• DE 202020103805 U 20200701
• DE 202021100251 U 20210120
• DE 2021100564 W 20210701

Abstract (en)
[origin: WO2022002315A1] To improve the efficiency of the purification of the air or different dielectric gases and liquids containing mechanical impurities, the housing (1) of the proposed electrostatic dust separator contains a plurality of collecting electrodes (8) which form at least two packets electrically isolated from each other, with each packet of collecting electrodes (8) being designed to generate an inhomogeneous electric field when a high voltage is applied.

IPC 8 full level
B03C 3/02 (2006.01); **B03C 3/09** (2006.01); **B03C 3/47** (2006.01); **B03C 3/68** (2006.01); **B03C 5/02** (2006.01)

CPC (source: EP IL US)
B03C 3/025 (2013.01 - EP IL); **B03C 3/09** (2013.01 - EP IL US); **B03C 3/47** (2013.01 - EP IL US); **B03C 3/68** (2013.01 - EP IL US); **B03C 3/70** (2013.01 - EP IL US); **B03C 5/02** (2013.01 - EP IL); **B03C 5/026** (2013.01 - EP IL); **B03C 5/026** (2013.01 - US); **B03C 2201/30** (2013.01 - EP IL)

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 202020103805 U1 20200714; DE 202021100251 U1 20210203; EP 4017642 A1 20220629; EP 4017642 B1 20240828; IL 299594 A 20230301; US 2023356237 A1 20231109; WO 2022002315 A1 20220106; WO 2022002315 A4 20220303

DOCDB simple family (application)
DE 202020103805 U 20200701; DE 202021100251 U 20210120; DE 2021100564 W 20210701; EP 21739963 A 20210701; IL 29959422 A 20221229; US 202118040176 A 20210701