

Title (en)
PURIFIER

Title (de)
REINIGER

Title (fr)
PURIFICATEUR

Publication
EP 4201536 A4 20240306 (EN)

Application
EP 21858128 A 20210728

Priority
• JP 2020138294 A 20200818
• JP 2021027835 W 20210728

Abstract (en)
[origin: EP4201536A1] The purifier includes: a sieving part including a sieving screen and configured to sift a processing target while carrying the processing target on the sieving screen in a predetermined direction; a plurality of straightening chambers disposed above the sieving part and in communication with interior of the sieving part, and separated from each other so as to be lined up in the predetermined direction; a plurality of air flow regulating valves respectively provided in the plurality of straightening chambers, and each configured to regulate flow rate of air passing through the sieving screen and flowing upward in the corresponding straightening chamber; a plurality of motors configured to respectively drive the plurality of air flow regulating valves to control opening degrees of the plurality of air flow regulating valves; and a controller configured to control the plurality of motors.

IPC 8 full level
B07B 4/08 (2006.01); **B02B 1/02** (2006.01); **B07B 11/04** (2006.01)

CPC (source: EP)
B07B 4/08 (2013.01); **B07B 11/04** (2013.01); **B02B 1/02** (2013.01); **B07B 2201/04** (2013.01)

Citation (search report)
• [YA] EP 0855941 B1 20000119 - OCRIM SPA [IT]
• [YA] JP H11235553 A 19990831 - SATAKE ENG CO LTD
• See also references of WO 2022038979A1

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

DOCDB simple family (publication)
EP 4201536 A1 20230628; EP 4201536 A4 20240306; CN 115956008 A 20230411; JP 2022034481 A 20220303; WO 2022038979 A1 20220224

DOCDB simple family (application)
EP 21858128 A 20210728; CN 202180050266 A 20210728; JP 2020138294 A 20200818; JP 2021027835 W 20210728