

Title (en)
PAINTING BOOTH WITH MANUAL FILTER-CHANGING SYSTEM

Title (de)
LACKIERKABINE MIT MANUELLEM FILTERWECHSELSYSTEM

Title (fr)
CABINE DE PEINTURE AVEC SYSTÈME MANUEL DE CHANGEMENT DE FILTRE

Publication
EP 4076767 A1 20221026 (EN)

Application
EP 20824691 A 20201217

Priority
• IT 201900025015 A 20191220
• IB 2020062082 W 20201217

Abstract (en)
[origin: WO2021124178A1] A painting booth (10) comprises a painting chamber (11) inside which the paint is sprayed and which is provided with an air flow for evacuation of the overspray, which is sent to at least one filtering unit (16) of the booth for filtering and separating the paint overspray from the air flow. The filtering unit (16) comprises a plurality of filter modules (17), each filter module (17) being removably contained in its own housing (18) which comprises a front opening (19) which can be opened in order to extract the filter module from the housing. Each filter module (17) is formed by a support frame (20) and by a plurality of filters (17a) arranged side-by-side inside the support frame, the support frame (20) being suspended below a carriage (22) which slides on a pair of upper parallel rails (23) which are arranged between the interior of the housing (18) of the filter module and an area in front of the front opening (19) of the housing. The support frame (20) is suspended from the carriage (22) by means of a rotary connection (30) so as to be rotatable about a vertical axis (31) and allow extraction of the filter module (17) from the housing by sliding of the carriage (22) along the pair of rails and rotation of the filter module (17) about said vertical axis (31) in said area in front of the front opening (19) of the housing and thus allow extraction of filters from the plurality in the support frame (20).

IPC 8 full level
B05B 14/00 (2018.01)

CPC (source: EP)
B05B 14/43 (2018.01); **Y02P 70/10** (2015.11)

Citation (search report)
See references of WO 2021124178A1

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Designated extension state (EPC)
BA ME

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KH MA MD TN

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