Title (en)

COMPACT HIGH PERFORMANCE THROUGH-AIR APPARATUS

Title (de)

KOMPAKTE HOCHLEISTUNGS-DURCHFLUSSVORRICHTUNG

Title (fr)

APPAREIL COMPACT À AIR TRAVERSANT À HAUTE PERFORMANCE

Publication

EP 4356055 A2 20240424 (EN)

Application

EP 22754318 A 20220715

Priority

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- EP 2022069911 W 20220715

Abstract (en)

[origin: WO2023001712A2] A high performance through-air apparatus is provided. The though-air apparatus includes a through-air roll configured for rotational movement about a first axis, and a high flow circuitous air path inside of the apparatus that includes a path extending through a supply conduit, through the through-air roll, and also through an exhaust conduit. The through-air apparatus also includes a plurality of turning vanes positioned within the high flow circuitous path positioned to guide the flow of air through the apparatus. The through-air apparatus has a length, a width, a height, which together define a volume having a compact configuration. The high flow circuitous air path inside of the apparatus has a length, where the ratio of the volume of the through-air apparatus to the length of the high flow circuitous air path is less than 20 m2.

IPC 8 full level

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CPC (source: EP)

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