Title (en)

AIRTIGHT STRUCTURE OF AIRTIGHT POWDER BOX

Title (de)

LUFTDICHTE STRUKTUR FÜR EINE LUFTDICHTE PULVERBOX

Title (fr)

STRUCTURE ÉTANCHE À L'AIR DE BOÎTE À POUDRE ÉTANCHE À L'AIR

Publication

EP 4356779 A1 20240424 (EN)

Application

EP 22882440 A 20220827

Priority

- CN 202122500720 U 20211018
- CN 2022115319 W 20220827

Abstract (en)

The utility model provides an airtight structure of an airtight powder case, including a powder tray and an inner lid, where the inner lid is hinged to one side of the powder tray through a rotating shaft; the inner lid is configured to open and close the powder tray; an aperture of the powder tray is provided with a seal ring; the seal ring includes a first seal ring and a second seal ring; a lower side of the second seal ring is located at the aperture of the powder tray; a lower side of the first seal ring is connected to an upper side of the second seal ring (a die may be used for integral injection molding); the second seal ring is hard, while the first seal ring is soft; an upper side of the first seal ring is shaped as a downward flanging, and the flanging forms a top; and a bottom of the inner lid is configured to abut against the top of the flanging. The bottom of the inner lid squeezes the top of the flanging, such that the flanging of the first seal ring further deforms to effectively enhance airtightness. The utility model achieves desirable airtightness, can protect a cosmetic in the powder case from moisture, and can prolong the service life of the cosmetic.

IPC 8 full level

A45D 33/22 (2006.01); **A45D 33/34** (2006.01)

CPC (source: EP KR)

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Designated contracting state (EPC)

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