

Title (en)
FILLING MACHINE COMPRISING AIRFLOW SYSTEM

Title (de)
FÜLLMASCHINE MIT LUFTSTROMSYSTEM

Title (fr)
MACHINE DE REMPLISSAGE COMPRENANT UN SYSTÈME D'ÉCOULEMENT D'AIR

Publication
EP 4335761 A1 20240313 (EN)

Application
EP 22194484 A 20220907

Priority
EP 22194484 A 20220907

Abstract (en)
A paperboard container filling machine (10) comprising an aseptic chamber (40) having: an upper air distribution chamber (45); a lower processing chamber (46) housing processing equipment (42, 49) configured for interacting with paperboard containers passing through the processing chamber; a throughflow plate (47) separating the air distribution chamber and the processing chamber, the throughflow plate having a plurality of through-openings (48) configured for directing the air from the air distribution chamber to the processing chamber, and a paperboard container transport sub-system configured for transporting the paperboard containers through the processing chamber along a container transport path (14) from an inlet opening (41) to an outlet opening (43) of the processing chamber. The throughflow plate comprising a substantially horizontal planar section (55) and first and second curved sections (56), each curved section displaying a convex ruled surface facing the processing chamber, the ruled surface being defined by rulings which are parallel and extend orthogonal or substantially orthogonal to said transport path.

IPC 8 full level
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CPC (source: EP)
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