

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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Citation (search report)  
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