

Title (en)
Air processing circuit for a sterilizing unit for sterilizing sheet packaging materials for packaging pourable food products, and sterilizing unit featuring such a circuit

Title (de)
Luftbehandlungskreislauf für eine Sterilisationsanlage zum Sterilisieren von bahnförmigem Verpackungsmaterial für fließfähige Lebensmittel sowie Sterilisationsanlage mit einem solchen Kreislauf

Title (fr)
Circuit de traitement de l'air pour une unité de stérilisation de matériau d'emballage pour des produits alimentaires coulants ainsi qu'une unité de stérilisation avec un tel circuit

Publication
EP 1795448 B1 20090325 (EN)

Application
EP 05425879 A 20051212

Priority
EP 05425879 A 20051212

Abstract (en)
[origin: EP1795448A1] There is described an air processing circuit (22) for feeding sterile air to an aseptic environment (27) of a sterilizing unit (3) for sterilizing sheet packaging materials (2) for packaging pourable food products. The circuit (22) has an intake conduit (41) for drawing air for processing from the aseptic environment (27); a delivery conduit (42) for feeding processed sterile air to the aseptic environment (27); a compressor (43) having an inlet (44) and an outlet (45) connected to the intake conduit (41) and the delivery conduit (42) respectively; purifying means (46, 47) for separating undesired particles from the air drawn from the aseptic environment (27); flow measuring means (77) for measuring the flow circulating along the circuit (22); and control means (78) for varying at least one operating parameter of the circuit (22) as a function of the measured flow.

IPC 8 full level
B65B 55/02 (2006.01); **B65B 55/10** (2006.01); **F04D 15/00** (2006.01)

CPC (source: EP)
B65B 55/027 (2013.01); **B65B 55/103** (2013.01); **F04C 19/00** (2013.01)

Cited by
EP3575226A1; EP3699104A1; EP2578505A1; CN103842258A; EP2119631A1; EP3933234A1; CN102431682A; CN113165763A; EP3656686A1; EP4345012A1; IT202200020154A1; CN105873827A; EP4345013A1; IT202200020148A1; US12065279B2; US9637260B2; US10293964B2; US8574491B2; WO2013050203A1; WO2020169313A1; WO2022002579A1; WO2009138481A1; WO2015090720A1; US11572207B2; WO2020108945A1

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