

Title (en)

Sterile tunnel for aseptically operating packaging machines

Title (de)

Steriltunnel für aseptisch arbeitende Verpackungsmaschinen

Title (fr)

Tunnel stérile pour des machines d'emballage au fonctionnement aseptique

Publication

EP 1122170 B1 20021127 (DE)

Application

EP 01100234 A 20010103

Priority

DE 10004076 A 20000131

Abstract (en)

[origin: DE10004076C1] The sterile tunnel (1) contains working elements connected to external drives (2) via adjusting rods (3) passing through a telescopic tube seal unit. The upper telescopic tube (6) has an upper closed section (7) with evenly distributed drain openings (8) to permit flow of a sterilization medium out of the tunnel. The openings are located in a flange (9) or a carrier plate (10) on the upper section. The top end of the upper telescopic tube is sealed by a plate, which is connected to the drive.

IPC 1-7

B65B 55/02

IPC 8 full level

B65B 55/02 (2006.01)

CPC (source: EP US)

B65B 55/025 (2013.01 - EP US)

Cited by

DE102008034389A1; US8776482B2

Designated contracting state (EPC)

DE ES FR

DOCDB simple family (publication)

DE 10004076 C1 20010621; DE 50100061 D1 20030109; EP 1122170 A1 20010808; EP 1122170 B1 20021127; ES 2183800 T3 20030401; US 2001010805 A1 20010802; US 6495111 B2 20021217

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