

Title (en)
Clean air booth for a packaging machine

Title (de)
Reinlufthaube für eine Verpackungsmaschine

Title (fr)
Hotte à air pur pour machine d'emballage

Publication
EP 0903297 B1 20090624 (EN)

Application
EP 98202856 A 19980827

Priority
JP 25491197 A 19970919

Abstract (en)
[origin: EP0903297A1] A clean booth (13) in the form of a box left open at the bottom side thereof is provided over the upper side of a bed (12). The clean booth (13) has a top wall formed with a clean air inlet (104) facing downward. An air discharge clearance is formed between the upper side of the bed (12) and the lower end of the clean booth (13). A container conveyor (16) is installed inside the clean booth (13) to provide a container transport path extending forward. A group of devices (18) are arranged along the transport path for performing a required packaging operation and include a filling device (31). The filling device (31) comprises a filling nozzle (41) disposed above the transport path inside the clean booth (13), a filling device body (42) disposed outside the clean booth (13) for supplying a filling liquid to the filling nozzle (41), and a pipe (43) disposed inside through outside the clean booth (13) and connecting the device body (42) to the filling nozzle (41). <IMAGE>

IPC 8 full level
B65B 55/02 (2006.01); **B65B 55/04** (2006.01); **B65B 31/00** (2006.01)

CPC (source: EP)
B65B 55/025 (2013.01)

Cited by
EP3241771A1; DE19947786A1; EP4335761A1; CN102470939A; EP4335763A1; US10836527B2; US6651404B1; US8701720B2; EP3800136A1; CN114502473A; US2022371761A1; WO2017114640A1; WO2021063992A1; WO2024052361A1; WO2011002378A1; WO2024052359A1

Designated contracting state (EPC)
CH DE DK FR GB LI NL SE

DOCDB simple family (publication)
EP 0903297 A1 19990324; **EP 0903297 B1 20090624**; DE 69840925 D1 20090806; DK 0903297 T3 20090914; JP 4042002 B2 20080206; JP H1191720 A 19990406

DOCDB simple family (application)
EP 98202856 A 19980827; DE 69840925 T 19980827; DK 98202856 T 19980827; JP 25491197 A 19970919