Title (en)

METHOD FOR CONTROLLING AIR SPEED IN A STERILIZING TUNNEL DURING THE HEATING OF SAME TUNNEL

Title (de)

VERFAHREN ZUR STEUERUNG DER LUFTGESCHWINDIGKEIT IN EINEM STERILISIERTUNNEL WÄHREND DESSEN AUFHEIZPHASE

Title (fr)

PROCEDE POUR REGULER LA VITESSE DE L'AIR DANS UN TUNNEL DE STERILISATION PENDANT LA PHASE D'ECHAUFFEMENT DE CE DERNIER

Publication

EP 0963319 A1 19991215 (DE)

Application

EP 98905254 A 19980114

Priority

- DE 9800106 W 19980114
- DE 19709067 A 19970306

Abstract (en)

[origin: DE19709067A1] In a tunnel-shaped area (14) of a sterilizing tunnel (10) containers (11) are transported by means of a conveyor device (12). Sterilization is accomplished by a vertical, heated air stream generated by means of a ventilator (21) and a heating device (20) in the area of the containers (11). To prevent particles from being torn from a sterile filter (23) during the heating phase, the invention provides for the number of revolutions per minute of the ventilator (21) to be adjusted during said heating phase. According to the invention, the rpm adjustment is carried out by predetermining the ventilator (21) rpm required at room temperature and at sterilization temperature. The control unit for the sterilizing tunnel (10) then increases the ventilator (21) rpm in accordance with a preset functional relationship as the temperature rises.

IPC 1-7

B65B 55/02; B65B 55/10

IPC 8 full level

B65B 55/06 (2006.01); **B65B 55/02** (2006.01); **B65B 55/10** (2006.01)

CPC (source: EP US)

B65B 55/025 (2013.01 - EP US); **B65B 55/10** (2013.01 - EP US)

Citation (search report)

See references of WO 9839216A1

Cited by

CN104044765A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19709067 A1 19980917; CN 1163382 C 20040825; CN 1249721 A 20000405; DE 59809211 D1 20030911; EP 0963319 A1 19991215; EP 0963319 B1 20030806; JP 2001513736 A 20010904; JP 4198194 B2 20081217; US 6383449 B1 20020507; WO 9839216 A1 19980911

DOCDB simple family (application)

DE 19709067 A 19970306; CN 98803067 A 19980114; DE 59809211 T 19980114; DE 9800106 W 19980114; EP 98905254 A 19980114; JP 53803398 A 19980114; US 34155999 A 19990714