

Title (en)

Apparatus for controlling heat treatment or heat sterilizing of bottles or containers in a treatment machine thereof

Title (de)

Vorrichtung zur Überwachung der Wärme-Behandlung bzw. -Sterilisation von Flaschen oder dergl. Behälter bei einer Behälter-Behandlungsmaschine

Title (fr)

Appareil de commande du traitement ou de la stérilisation à chaud de bouteilles ou récipients dans une machine de traitement de ceux-ci

Publication

**EP 0590505 B1 19961016 (DE)**

Application

**EP 93115304 A 19930923**

Priority

DE 4232323 A 19920926

Abstract (en)

[origin: EP0590505A1] The invention relates to an apparatus for monitoring the heat treatment or heat sterilisation of bottles and suchlike containers in container-treatment machines having a transport element which moves the containers for treatment at treatment stations on a transport stage between a container entry and a container exit. In a part region of the transport stage, the heat treatment takes place with a hot medium. For monitoring, there is provided at least one temperature sensor which serves for measuring the temperature of the containers heated by the hot medium. <IMAGE>

IPC 1-7

**B65B 55/06**; **A61L 2/06**; **A61L 2/26**; **B08B 1/02**

IPC 8 full level

**A61L 2/06** (2006.01); **A61L 2/26** (2006.01); **B08B 1/20** (2024.01); **B08B 9/20** (2006.01); **B08B 9/46** (2006.01); **B65B 55/06** (2006.01); **B65B 55/10** (2006.01)

CPC (source: EP US)

**B08B 9/205** (2013.01 - EP US); **B08B 9/46** (2013.01 - EP US); **B65B 55/10** (2013.01 - EP US); **B67C 7/00** (2013.01 - EP)

Cited by

WO2008135165A1; DE102007020457A1; DE102007020458A1; CN112174077A; US11040861B2; WO2008135132A1; WO2018104551A1; US9120660B2; US9120661B2

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0590505 A1 19940406**; **EP 0590505 B1 19961016**; AT E144222 T1 19961115; DE 4232323 A1 19940331; DE 59304185 D1 19961121; ES 2093345 T3 19961216; US 5398734 A 19950321

DOCDB simple family (application)

**EP 93115304 A 19930923**; AT 93115304 T 19930923; DE 4232323 A 19920926; DE 59304185 T 19930923; ES 93115304 T 19930923; US 12653093 A 19930924