

Title (en)

DEVICE AND METHOD FOR TESTING HEAT SEALS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM NACHWEIS VON THERMODICHTUNGEN

Title (fr)

DISPOSITIF ET PROCEDE DE TEST DE THERMOSOUDAGE

Publication

**EP 0823969 A4 19990217 (EN)**

Application

**EP 96913897 A 19960503**

Priority

- US 9606118 W 19960503
- US 43606295 A 19950505

Abstract (en)

[origin: WO9635109A1] A universal heat seal tester (10) and method is provided for simulating heat-sealing processes. The tester (10) includes a pair of sample holders (11, 12) each of which hold a sample (20). A heater (30) is removably placeable between the samples (20), and the invention can simulate a hot-air side-seaming section of a cup machine. The method and apparatus test heat seals between the samples (20) while simulating real manufacturing processes, specifically heat sealing process, and can simulate other types of heat-sealing processes, such as ones relating to liquid packaging machines, which include electric, gas-fired, hot-air, induction, and radiant heating. The method and apparatus can be run automatically to eliminate operator variability.

IPC 1-7

**G01N 3/24**; **B32B 31/00**

IPC 8 full level

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Citation (search report)

- [Y] DE 3206804 A1 19820923 - AISIN SEIKI [JP]
- [Y] US 5176028 A 19930105 - HUMPHREY PHILIP E [US]
- [A] DD 142756 A1 19800709 - KORNMANN PETER, et al
- [A] DE 4026711 A1 19920227 - GROSSER ULRICH [DE]
- See references of WO 9635109A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 9635109 A1 19961107**; AU 5710096 A 19961121; EP 0823969 A1 19980218; EP 0823969 A4 19990217

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