

Title (en)
SEALING-TIGHTNESS TESTING OF VACUUM PACKAGINGS

Title (de)
DICHTHEITSPRÜFUNG VON VAKUUMVERPACKUNGEN

Title (fr)
TEST D'ÉTANCHÉITÉ D'EMBALLAGES SOUS VIDE

Publication
EP 4348228 A1 20240410 (DE)

Application
EP 22728780 A 20220510

Priority
• DE 102021113754 A 20210527
• EP 2022062624 W 20220510

Abstract (en)
[origin: WO2022248213A1] The present invention relates to a testing station for checking the sealing tightness of one or more vacuum packagings, each of the one or more vacuum packagings having, at a reference pressure, initial spatial dimensions. The testing station comprises: - a negative-pressure generating device which is designed to expose the one or more vacuum packagings to a testing pressure from the outside, the testing pressure being lower than the reference pressure; and - a sensor system which is designed to determine, on the basis of a change in the spatial dimensions of at least one of the one or more vacuum packagings during the testing pressure application relative to the respective initial spatial dimensions of the one or more vacuum packagings, whether at least one of the one or more vacuum packagings leaks.

IPC 8 full level
G01N 21/95 (2006.01); **G01M 3/36** (2006.01)

CPC (source: EP)
G01M 3/363 (2013.01); **G01N 21/9009** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021113754 A1 20221201; CN 117441098 A 20240123; EP 4348228 A1 20240410; JP 2024521753 A 20240604;
WO 2022248213 A1 20221201

DOCDB simple family (application)
DE 102021113754 A 20210527; CN 202280037639 A 20220510; EP 2022062624 W 20220510; EP 22728780 A 20220510;
JP 2023572565 A 20220510