

Title (en)

HIGH PRESSURE PROCESSING PRESSURE SENSOR

Title (de)

HOCHDRUCKVERARBEITUNGSDRUCKSENSOR

Title (fr)

CAPTEUR DE PRESSION DE TRANSFORMATION À HAUTE PRESSION

Publication

**EP 3849817 A1 20210721 (EN)**

Application

**EP 19861183 A 20190906**

Priority

- US 201816129669 A 20180912
- US 2019050064 W 20190906

Abstract (en)

[origin: WO2020055697A1] A pressure sensor and its use for visually determining whether a preselected pressure threshold has been achieved, for example during high pressure processing treatment of a foodstuff. The pressure sensor includes a contained color-changing system having a dye, a developer, and a solvent; upon achievement of the preselected pressure threshold, the dye and the developer interact, resulting in a visible color change. Further, the visible color change can be retained upon a decrease in pressure and upon an increase in temperature, thereby effectively recording the achievement of the preselected pressure threshold during the high pressure processing treatment.

IPC 8 full level

**B41M 5/124** (2006.01); **B41M 5/165** (2006.01); **B41M 5/28** (2006.01); **B41M 5/30** (2006.01); **B65D 51/00** (2006.01); **C09D 5/26** (2006.01)

CPC (source: EP KR)

**B41M 5/124** (2013.01 - KR); **B41M 5/165** (2013.01 - KR); **B41M 5/28** (2013.01 - KR); **B41M 5/30** (2013.01 - KR); **B65D 51/00** (2013.01 - KR); **C09D 5/26** (2013.01 - EP KR); **A23L 3/003** (2013.01 - EP); **B41M 5/124** (2013.01 - EP); **B41M 5/132** (2013.01 - EP); **B41M 5/136** (2013.01 - EP); **B41M 5/165** (2013.01 - EP); **B41M 5/323** (2013.01 - EP); **B41M 5/333** (2013.01 - EP); **B41M 5/3375** (2013.01 - EP)

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

DOCDB simple family (publication)

**WO 2020055697 A1 20200319**; AU 2019338194 A1 20210513; BR 112021004762 A2 20210803; EP 3849817 A1 20210721; EP 3849817 A4 20220727; JP 2022500640 A 20220104; JP 7260633 B2 20230418; KR 20210102873 A 20210820

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**US 2019050064 W 20190906**; AU 2019338194 A 20190906; BR 112021004762 A 20190906; EP 19861183 A 20190906; JP 2021513854 A 20190906; KR 20217010751 A 20190906