

Title (en)

HIGH PRESSURE PROCESSING PRESSURE SENSOR

Title (de)

HOCHDRUCKVERARBEITUNGSDRUCKSENSOR

Title (fr)

CAPTEUR DE PRESSION DE TRANSFORMATION À HAUTE PRESSION

Publication

EP 3849817 A4 20220727 (EN)

Application

EP 19861183 A 20190906

Priority

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- 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

C09D 5/26 (2006.01); **A23L 3/00** (2006.01); **B41M 5/124** (2006.01); **B41M 5/132** (2006.01); **B41M 5/136** (2006.01); **B41M 5/165** (2006.01); **B41M 5/323** (2006.01); **B41M 5/333** (2006.01); **B41M 5/337** (2006.01)

CPC (source: EP KR)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2020055697A1

Designated contracting state (EPC)

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