

Title (en)
MULTIFUNCTION FLEXIBLE ADHESIVE PRODUCT WITH SENSING AND WIRELESS COMMUNICATION CAPABILITIES

Title (de)
MULTIFUNKTIONALES FLEXIBLES KLEBPRODUKT MIT MESSUNGS- UND DRAHTLOSKOMMUNIKATIONSFÄHIGKEITEN

Title (fr)
PRODUIT ADHÉSIF SOUPLE MULTIFONCTION À CAPACITÉS DE DÉTECTION ET DE COMMUNICATION SANS FIL

Publication
EP 3724286 A1 20201021 (EN)

Application
EP 18887258 A 20181211

Priority

- US 201715842861 A 20171214
- US 201715842867 A 20171214
- US 201715842840 A 20171214
- US 2018064848 W 20181211
- US 201862670712 P 20180511
- US 201862680716 P 20180605

Abstract (en)
[origin: WO2019118440A1] A low-cost, multi-function adhesive tape platform (12) with a form factor that unobtrusively integrates one or more transducers (94) and one or more wireless communication devices (82, 86) in an adhesive product system. In an aspect, the adhesive product system integrates transducer (94) and wireless communication components (82, 86) within a flexible adhesive structure in a way that not only provides a cost-effective platform for interconnecting, optimizing, and protecting the constituent components but also maintains the flexibility needed to function as an adhesive product that can be deployed seamlessly and unobtrusively into various applications and workflows, including sensing, notification, security, and object tracking applications, and asset management workflows such as manufacturing, storage, shipping, delivery, and other logistics associated with moving products and other physical objects.

IPC 8 full level
C09J 7/38 (2018.01); **B32B 37/06** (2006.01); **B32B 37/12** (2006.01); **H04W 4/02** (2018.01)

CPC (source: EP)
B32B 7/12 (2013.01); **B32B 27/08** (2013.01); **B32B 27/283** (2013.01); **B32B 27/36** (2013.01); **B32B 29/002** (2013.01); **C09J 7/29** (2017.12); **G01C 21/04** (2013.01); **G01C 21/16** (2013.01); **G01C 21/30** (2013.01); **G06K 19/07718** (2013.01); **G06K 19/07749** (2013.01); **G06K 19/0776** (2013.01); **H04W 4/02** (2013.01); **B32B 2307/546** (2013.01); **B32B 2519/02** (2013.01); **C09J 2301/302** (2020.08); **C09J 2483/00** (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

DOCDB simple family (publication)
WO 2019118440 A1 20190620; CN 112004900 A 20201127; CN 112004900 B 20230106; EP 3724286 A1 20201021; EP 3724286 A4 20210901; EP 3724287 A1 20201021; EP 3724287 A4 20211027; EP 3724818 A1 20201021; EP 3724818 A4 20211027; EP 3725104 A1 20201021; EP 3725104 A4 20220119; JP 2021520018 A 20210812; JP 7421547 B2 20240124; WO 2019118400 A1 20190620; WO 2019118402 A1 20190620; WO 2019118403 A1 20190620

DOCDB simple family (application)
US 2018064919 W 20181211; CN 201880089501 A 20181211; EP 18887258 A 20181211; EP 18887803 A 20181211; EP 18887983 A 20181211; EP 18888295 A 20181211; JP 2021509944 A 20181211; US 2018064848 W 20181211; US 2018064855 W 20181211; US 2018064859 W 20181211