Title (en)
LIQUID DETECTION RFID TAG ARRANGEMENT

Title (de)
RFID-ETIKETTANORDNUNG MIT FLÜSSIGKEITSDETEKTION

Title (fr)
ENSEMBLE ÉTIQUETTE RFID POUR LA DÉTECTION DE LIQUIDE

Publication
EP 4176383 A2 20230510 (EN)

Application
EP 21743580 A 20210701

Priority
- SE 2050830 A 20200702
- IB 2021055901 W 20210701

Abstract (en)
[origin: WO2022003613A2] A liquid and/or moisture detecting RFID tag arrangement (1) comprises a substrate (4, 4'), at least one antenna element (2) arranged on the substrate, and an RFID chip (3) connected to the antenna element(s). At least a part of the substrate forms a water degradable part (4), made of a water degradable material, arranged to dissolve or disintegrate when wetted by a liquid. When the water degradable part disintegrates or dissolves, the response signal from the RFID tag arrangement (1) changes, either to cease, or to be of different content or characteristics. The change in response signal can e.g. be accomplished by a main antenna (2) becoming totally or partly inoperative, by a secondary antenna (5) becoming fully or partly inoperative, or by breaking a detection loop (5').

IPC 8 full level
G06K 19/07 (2006.01); **G06K 19/073** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP SE)
A61F 13/42 (2013.01 - SE); **G01N 27/048** (2013.01 - SE); **G01N 27/223** (2013.01 - SE); **G06K 19/0723** (2013.01 - EP); **G06K 19/0739** (2013.01 - EP); **G06K 19/0772** (2013.01 - EP); A61F 2013/426 (2013.01 - SE)

Citation (search report)
See references of WO 2022003613A2

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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