

Title (en)
ELECTRONIC SHELF LABELLING SYSTEM COMPRISING AN ENERGY SUPPLY FOR LONG-TERM OPERATION BY CONSUMERS OF A SHELF LABEL

Title (de)
ELEKTRONISCHES REGALETIKETTEN-SYSTEM MIT ENERGIEVERSORGUNG ZUM LANGZEITBETRIEB VON VERBRAUCHERN EINES REGALETIKETTS

Title (fr)
SYSTÈME D'ÉTIQUETTES ÉLECTRONIQUES DE RAYONNAGE COMPRENANT UNE ALIMENTATION ÉLECTRIQUE QUI ASSURE UN FONCTIONNEMENT LONGUE DURÉE DE CONSOMMATEURS D'UNE ÉTIQUETTE DE RAYONNAGE

Publication
EP 4081893 A1 20221102 (DE)

Application
EP 19832968 A 20191223

Priority
EP 2019086991 W 20191223

Abstract (en)
[origin: WO2021129932A1] A method for operating an electronic shelf labelling system (1), the system having shelf labels (203) secured on shelf edge strips (3), wherein: the shelf labels can be contactlessly supplied with energy, the shelf edge strips have a supply device (21) for contactlessly supplying energy to the shelf labels secured on same, and the shelf edge strip has at least one conductor loop (L), the conductor loop being a component of the supply device of the shelf edge strip, and the conductor loop is used to emit a signal, which can be produced by the supply device, for the purpose of the aforementioned supply of energy to shelf labels positioned correspondingly relative to the conductor loop on the shelf edge strip; and, according to the method, the aforementioned signal is produced by means of the supply device and is emitted via the conductor loop, and the shelf label positioned correspondingly relative to said conductor loop stores electrical energy, which is transferred from the supply device to the shelf label by means of the signal, in a rechargeable long-term energy storage device and uses it for operation outside of the period of the presence of the signal.

IPC 8 full level
G06F 3/147 (2006.01)

CPC (source: EP US)
G06F 3/147 (2013.01 - EP US); **H02J 50/10** (2016.02 - US); **G09G 2330/021** (2013.01 - EP US); **G09G 2330/028** (2013.01 - EP); **G09G 2380/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2021129932A1

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)
WO 2021129932 A1 20210701; CN 114787763 A 20220722; EP 4081893 A1 20221102; US 11875083 B2 20240116; US 2023012967 A1 20230119

DOCDB simple family (application)
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