

Title (en)

HAND TOWEL DISPENSER HAVING MEANS FOR DATA CAPTURE AND TRANSMISSION

Title (de)

HANDTUCHSPENDER MIT MITTELN ZUR DATENERFASSUNG UND -ÜBERTRAGUNG

Title (fr)

DISTRIBUTEUR D'ESSUIE-MAINS POURVU DE MOYENS DE SAISIE ET DE TRANSMISSION DE DONNÉES

Publication

**EP 2810259 B1 20190501 (DE)**

Application

**EP 12707024 A 20120203**

Priority

CH 2012000028 W 20120203

Abstract (en)

[origin: WO2013113129A1] Hand towel dispenser (1) comprising means for data capture and transmission, a reel shell (7) for holding a hand towel roll (8) that comprises the fresh dispenser material (4), means for rotatably holding a reel (9) that takes up the used dispenser material (4), a measuring apparatus (3) for capturing measured values that represent the quantity of used dispenser material (4), and a radio module (2) that is connected to the measuring apparatus (3) to receive the measured values captured by the measuring apparatus (3) and that is designed to transmit radio signals, each of which contains at least one measured value, wherein the measuring apparatus (3) comprises at least one first sensor (5) for capturing the quantity of used dispenser material (4), which sensor is connected to the radio module (2).

IPC 8 full level

**G07F 9/02** (2006.01); **A47K 10/28** (2006.01); **A47K 10/32** (2006.01)

CPC (source: EP US)

**A47K 10/28** (2013.01 - US); **G07F 9/001** (2020.05 - EP); **G07F 9/026** (2013.01 - EP US); **A47K 2010/3226** (2013.01 - EP US); **Y10T 29/49716** (2015.01 - EP US)

Citation (examination)

- US 6360181 B1 20020319 - GEMMELL BRUCE M [US], et al
- US 2010044407 A1 20100225 - YARDLEY CRAIG D [US]
- US 2009066200 A1 20090312 - DE JONG THEODOR ROBBERT MARIE [NL], et al

Cited by

US10966577B2; US10966578B2; EP3838089A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2013113129 A1 20130808**; CN 104169980 A 20141126; CN 104169980 B 20171031; DK 2810259 T3 20190729; EP 2810259 A1 20141210; EP 2810259 B1 20190501; HU E045197 T2 20191230; PL 2810259 T3 20191031; SI 2810259 T1 20190830; US 2015066207 A1 20150305; US 9524604 B2 20161220

DOCDB simple family (application)

**CH 2012000028 W 20120203**; CN 201280068777 A 20120203; DK 12707024 T 20120203; EP 12707024 A 20120203; HU E12707024 A 20120203; PL 12707024 T 20120203; SI 201231632 T 20120203; US 201214376421 A 20120203