

Title (en)

INCONTINENCE DETECTION SYSTEM COMPRISING CONDUCTIVE LINES CAPACITIVELY CONNECTED TO A POD

Title (de)

INKONTINENZDETEKTIONSSYSTEM MIT KAPAZITIV MIT EINER KAPSEL VERBUNDENEN LEITBAHNEN

Title (fr)

SYSTÈME DE DÉTECTION D'INCONTINENCE COMPRENANT DES LIGNES CONDUCTRICES RELIÉES DE MANIÈRE CAPACITIVE À UN MODULE

Publication

EP 4041168 A4 20240124 (EN)

Application

EP 20884708 A 20201023

Priority

- US 201962931488 P 20191106
- CA 2020051421 W 20201023

Abstract (en)

[origin: WO2021087600A1] The present invention is directed to a wetness detection system designed to work along with any commercially available brief (5). The wetness detection system comprises at least two conductive lines (6) along the length of the diaper, the conductive lines (6) being printed on any layer of the diaper and capacitively coupled to an alerting device or pod (8) which can be attached to the incontinence brief (5). The pod (8) is able to send an input analog signal, as square pulses into at least a first conductive line (6), said signal travels across urine when the diaper starts to become wet and travels back to the pod (8) through at least a second conductive line (6). The pod (8) is also capable of estimating when the diaper becomes saturated and sending at this moment appropriate wireless signals to the caregivers.

IPC 8 full level

A61F 13/42 (2006.01); **G01N 27/12** (2006.01)

CPC (source: EP)

A61F 13/42 (2013.01); **A61F 2013/424** (2013.01); **G01N 27/121** (2013.01); **G01N 27/122** (2013.01)

Citation (search report)

- [X] US 2019240079 A1 20190808 - TULI RAJA SINGH [CA]
- [X] WO 2018221539 A1 20181206 - KAO CORP [JP]
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- [A] US 2016310329 A1 20161027 - PATEL HARISH [US], et al
- See references of WO 2021087600A1

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

DOCDB simple family (publication)

WO 2021087600 A1 20210514; EP 4041168 A1 20220817; EP 4041168 A4 20240124

DOCDB simple family (application)

CA 2020051421 W 20201023; EP 20884708 A 20201023