

Title (en)
BODY MONITORING SYSTEM COMPRISING A MICRO-NEEDLE

Title (de)
KÖRPERÜBERWACHUNGSSYSTEM MIT EINER MIKRONADEL

Title (fr)
SYSTEME DE SURVEILLANCE CORPORELLE COMPRENANT UNE MICROAIGUILLE

Publication
EP 4009867 A1 20220615 (FR)

Application
EP 20754710 A 20200807

Priority
• EP 19290065 A 20190808
• EP 2020072320 W 20200807

Abstract (en)
[origin: WO2021023887A1] The present invention relates to a sensor for a body monitoring system, comprising at least one micro-needle for measuring an on-body analyte, characterised in that the micro-needle comprises a base shank and a top peak which is arranged on the base shank, the micro-needle exhibiting a break in slope between the base shank and the top peak, the sensor also comprising an active detection portion which covers at least one portion of the surface of the top peak, the top peak extending exclusively at a distance between 350 µm and 1100 µm from the base of the base shank, in particular exclusively at a distance between 600 µm and 1000 µm from the base of the base shank, and in that the surface of the active portion is between 0.04 mm² et 0.9 mm².

IPC 8 full level
A61B 5/145 (2006.01); **A61B 5/1468** (2006.01)

CPC (source: EP)
A61B 5/145 (2013.01); **A61B 5/685** (2013.01); **A61B 5/14532** (2013.01); **A61B 5/1468** (2013.01); **A61B 5/1486** (2013.01); **A61B 5/681** (2013.01)

Citation (search report)
See references of WO 2021023887A1

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)
EP 3772329 A1 20210210; EP 4009867 A1 20220615; WO 2021023887 A1 20210211

DOCDB simple family (application)
EP 19290065 A 20190808; EP 2020072320 W 20200807; EP 20754710 A 20200807