

Title (en)
MEDICAL INSTRUMENT HAVING AN INSTALLED TRANSPONDER MODULE, AND MEDICAL TRANSPONDER COMMUNICATION SYSTEM

Title (de)
MEDIZINISCHES INSTRUMENT MIT TRANSPONDEREINBAUMODUL UND MEDIZINISCHES TRANSPONDERKOMMUNIKATIONSSYSTEM

Title (fr)
INSTRUMENT MÉDICAL ÉQUIPÉ D'UN MODULE INTÉGRÉ DE TRANSPONDEUR ET SYSTÈME DE COMMUNICATION MÉDICAL À TRANSPONDEUR

Publication
EP 4171432 A1 20230503 (DE)

Application
EP 21739573 A 20210622

Priority
• DE 102020116932 A 20200626
• EP 2021066911 W 20210622

Abstract (en)
[origin: WO2021259894A1] The invention relates to a medical instrument (101) having: an instrument body (107), which has a prepared depression (103) or opening in an instrument body surface (104), and an installed transponder module (1) having: a transponder (2), preferably an RFID transponder, particularly preferably a glass transponder; a housing (3) which has an upper side (6) and a lower side (7) and in which the transponder (2) is accommodated and which is provided and designed to be installed or inserted into the prepared depression (103) or opening in the medical instrument (101) with its lower side (7) facing towards the depression (V) so that the lower side (7) is set back in relation to the upper side (6) of the installed transponder module (1) and the instrument body surface (104); and a screen (4), which is signal-opaque to electromagnetic waves and has a signal-transparent screen opening (5), the transponder (2) being spaced from the screen (4) and set back relative to same towards the lower side (7) of the installed transponder module (1). The invention also relates to a medical transponder communication system according to the further independent claim.

IPC 8 full level
A61B 90/98 (2016.01); **G06K 19/00** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP US)
A61B 90/98 (2016.02 - EP US); **G06K 19/022** (2013.01 - US); **G06K 19/045** (2013.01 - US); **G06K 19/07327** (2013.01 - EP); **G06K 19/07749** (2013.01 - EP)

Citation (search report)
See references of WO 2021259894A1

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)
DE 102020116932 A1 20211230; CN 115768375 A 20230307; EP 4171432 A1 20230503; JP 2023532685 A 20230731; US 2023252257 A1 20230810; WO 2021259894 A1 20211230

DOCDB simple family (application)
DE 102020116932 A 20200626; CN 202180044837 A 20210622; EP 2021066911 W 20210622; EP 21739573 A 20210622; JP 2022580548 A 20210622; US 202118012340 A 20210622