

Title (en)
TREATMENT BED

Title (de)
BEHANDLUNGSLIEGE

Title (fr)
LIT DE SOINS

Publication
EP 3481295 A1 20190515 (DE)

Application
EP 17734050 A 20170627

Priority
• DE 102016112391 A 20160706
• EP 2017065856 W 20170627

Abstract (en)
[origin: WO2018007206A1] The invention relates to a treatment bed for supporting patients in a sitting and/or lying manner for the duration of a treatment and/or diagnosis. The treatment bed has a support surface which consists of one or more segments and on which the patient is supported during the treatment and/or diagnosis. Multiple capacitive measuring electrodes for the contactless capacitive detection of EKG signals of a patient supported on the support surface are arranged in at least one segment of the support surface on the surface side closer to the patient. The treatment bed further has at least one electronic signal processing system which is connected to the measuring electrodes and is designed to process signals, in particular to amplify signals, of the electric signals of the measuring electrodes. In addition to the measuring electrodes, the treatment bed also has at least one injection electrode which is designed to feed injection signals into one or more of the measuring electrodes via the patient supported on the support surface. The electronic signal processing system is additionally designed to determine the quality of the capacitive coupling of one or more or all of the measuring electrodes to the patient by means of the signals received via the measuring electrodes using the signal components which are contained in the signals and originate from the injection signals.

IPC 8 full level
A61B 5/00 (2006.01); **A61B 5/276** (2021.01); **A61B 5/308** (2021.01)

CPC (source: EP US)
A61B 5/02405 (2013.01 - US); **A61B 5/276** (2021.01 - EP US); **A61B 5/282** (2021.01 - EP US); **A61B 5/30** (2021.01 - EP US); **A61B 5/302** (2021.01 - EP US); **A61B 5/6843** (2013.01 - EP US); **A61B 5/6891** (2013.01 - EP US); **A61B 5/7221** (2013.01 - EP US); **A61B 5/746** (2013.01 - US); **A61B 5/6844** (2013.01 - EP US); **A61B 2562/0214** (2013.01 - EP US); **A61B 2562/164** (2013.01 - EP US)

Citation (search report)
See references of WO 2018007206A1

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)
WO 2018007206 A1 20180111; DE 102016112391 A1 20180125; EP 3481295 A1 20190515; US 2019167198 A1 20190606

DOCDB simple family (application)
EP 2017065856 W 20170627; DE 102016112391 A 20160706; EP 17734050 A 20170627; US 201716313715 A 20170627