

Title (en)

APPARATUS WITH CAPACITIVE SENSING AND AT LEAST ONE CAPACITIVE EXTENSION PIECE

Title (de)

VORRICHTUNG MIT KAPAZITIVER ABTASTUNG UND MINDESTENS EINEM KAPAZITIVEN ERWEITERUNGSSTÜCK

Title (fr)

APPAREIL MUNI D'UNE DETECTION CAPACITIVE ET D'AU MOINS UNE PIECE D'EXTENSION CAPACITIVE

Publication

EP 3820654 A1 20210519 (FR)

Application

EP 19736380 A 20190708

Priority

- FR 1856481 A 20180713
- EP 2019068203 W 20190708

Abstract (en)

[origin: WO2020011692A1] The invention relates to an apparatus comprising measurement electrodes (108) and capacitive sensing electronics configured to: - bias the measurement electrodes (108) to an alternating electrical detection potential, which is different from a ground potential, at a detection frequency, and - detect a signal relating to capacitive coupling between said object and at least one measurement electrode (108); said apparatus further comprising at least one extension member (300) that is attached to said apparatus above at least one measurement electrode (108) and is electrically coupled to the at least one measurement electrode (108) so as to extend the capacitive detection provided by the at least one measurement electrode (108).

IPC 8 full level

B25J 9/00 (2006.01); **B25J 13/08** (2006.01); **B25J 19/00** (2006.01); **B25J 19/06** (2006.01); **G01D 15/00** (2006.01); **H03K 17/955** (2006.01)

CPC (source: EP)

B25J 9/0081 (2013.01); **B25J 13/086** (2013.01); **B25J 19/0025** (2013.01); **B25J 19/06** (2013.01); **H03K 17/955** (2013.01)

Citation (search report)

See references of WO 2020011692A1

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 2020011692 A1 20200116; EP 3820654 A1 20210519; FR 3083728 A1 20200117; FR 3083728 B1 20201211

DOCDB simple family (application)

EP 2019068203 W 20190708; EP 19736380 A 20190708; FR 1856481 A 20180713