

Title (en)  
CAPACITIVE SENSOR, METHOD FOR READING OUT A CAPACITIVE SENSOR FIELD AND METHOD FOR PRODUCING A CAPACITIVE SENSOR FIELD

Title (de)  
KAPAZITIVER SENSOR, VERFAHREN ZUM AUSLESEN EINES KAPAZITIVEN SENSORFELDES UND VERFAHREN ZUR HERSTELLUNG EINES KAPAZITIVEN SENSORFELDES

Title (fr)  
CAPTEUR CAPACITIF, PROCÉDÉ DE LECTURE D'UN CHAMP DE DÉTECTION CAPACITIF ET PROCÉDÉ DE FABRICATION D'UN CHAMP DE DÉTECTION CAPACITIF

Publication  
**EP 2834724 A1 20150211 (DE)**

Application  
**EP 13717203 A 20130402**

Priority

- DE 102012006546 A 20120402
- EP 2013056877 W 20130402

Abstract (en)  
[origin: WO2013149992A1] A capacitive sensor (20) and method for reading out a capacitive sensor field (2), wherein the capacitive sensor field (2) has a plurality of discrete electrodes (4) which are coupled to discrete supply lines (8). The supply line (8) of a first electrode (41) is routed such that it is capacitively coupled to at least one second electrode (42). A first signal (Cm1) is detected on a first supply line (8), which is coupled to the first electrode (41), and a second signal (Cm2) is detected on a second supply line (8), which is coupled to a second electrode (42). The capacitance (Cf1, Cf2) of the first electrode (41) or the second electrode (42) is determined by applying a predetermined calculation formula, which takes into account the first signal (Cm1), the second signal (Cm2) and the capacitive coupling between the second electrode (42) and the first supply line (8) coupled to the first electrode (41).

IPC 8 full level  
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CPC (source: CN EP US)  
**G01R 3/00** (2013.01 - US); **G01R 27/2605** (2013.01 - US); **G06F 3/0416** (2013.01 - CN); **G06F 3/04164** (2019.04 - EP US); **G06F 3/04166** (2019.04 - EP US); **G06F 3/044** (2013.01 - CN); **G06F 3/0446** (2019.04 - EP US); **G09F 9/3023** (2013.01 - EP US); **G06F 2203/04101** (2013.01 - CN EP US); **G06F 2203/04103** (2013.01 - CN EP US); **Y10T 29/49147** (2015.01 - EP US)

Citation (search report)  
See references of WO 2013149992A1

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DOCDB simple family (publication)  
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