

Title (en)  
TOUCH INTERFACE FOR ACTIVE FOOTWEAR SYSTEMS

Title (de)  
BERÜHRUNGSSCHNITTSTELLE FÜR AKTIVE SCHUHWERKSYSTEME

Title (fr)  
INTERFACE TACTILE POUR SYSTÈMES DE CHAUSSURE ACTIFS

Publication  
**EP 3937717 A1 20220119 (EN)**

Application  
**EP 20770124 A 20200313**

Priority  
• US 201916353739 A 20190314  
• US 2020022653 W 20200313

Abstract (en)  
[origin: WO2020186171A1] A footwear system can include an interface system for controlling one or more aspects of footwear. In an example, the interface system can include a touch sensor comprising two or more electrodes that are configured to receive a user touch input that bridges at least two of the electrodes, and the sensor can be configured to receive the user touch input at multiple locations along a length of the sensor. A measurement circuit can be configured to measure a capacitance-indicating signal from the two or more electrodes, and the capacitance-indicating signal can include information about a location of the user touch input on the sensor.

IPC 8 full level  
**A43C 11/16** (2006.01); **A43B 1/00** (2006.01); **A43B 3/00** (2022.01); **G01D 5/12** (2006.01); **G01D 5/14** (2006.01); **G01D 5/24** (2006.01); **G01L 1/12** (2006.01); **G01L 1/14** (2006.01); **G05B 15/02** (2006.01); **G05B 19/048** (2006.01)

CPC (source: EP)  
**A43B 3/0031** (2013.01); **A43B 3/34** (2022.01); **A43B 7/147** (2013.01); **A43B 13/14** (2013.01); **A43C 11/165** (2013.01); **G01L 1/146** (2013.01); **G01L 25/00** (2013.01)

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 2020186171 A1 20200917**; CN 113840556 A 20211224; CN 113840556 B 20240227; CN 118044673 A 20240517; EP 3937717 A1 20220119; EP 3937717 A4 20221123

DOCDB simple family (application)  
**US 2020022653 W 20200313**; CN 202080035315 A 20200313; CN 202410168525 A 20200313; EP 20770124 A 20200313