

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 A4 20221123 (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
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CPC (source: CN EP US)
A43B 1/00 (2013.01 - CN); **A43B 3/0031** (2013.01 - EP); **A43B 3/34** (2022.01 - CN EP); **A43B 3/44** (2022.01 - CN EP US); **A43B 7/147** (2013.01 - EP); **A43B 13/14** (2013.01 - EP); **A43C 11/16** (2013.01 - CN); **A43C 11/165** (2013.01 - EP); **G01D 5/12** (2013.01 - CN); **G01D 5/14** (2013.01 - CN); **G01D 5/24** (2013.01 - CN); **G01L 1/12** (2013.01 - CN); **G01L 1/14** (2013.01 - CN); **G01L 1/146** (2013.01 - EP); **G01L 25/00** (2013.01 - EP); **G05B 15/02** (2013.01 - CN); **G05B 19/048** (2013.01 - CN)

Citation (search report)
• [XAYI] US 2014035861 A1 20140206 - SOO JENN WOEI [SG], et al
• [XAYI] US 2017265583 A1 20170921 - SCHNEIDER SUMMER L [US], et al
• [A] WO 2018095501 A1 20180531 - PUMA SE [DE]
• [A] US 2010097077 A1 20100422 - PHILIPP HARALD [GB], et al
• [A] US 5933102 A 19990803 - MILLER STEPHEN J [US], et al
• See also references of WO 2020186171A1

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

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DOCDB simple family (application)
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