

Title (en)  
SYSTEM FOR HUMAN-COMPUTER INTERFACING

Title (de)  
SYSTEM FÜR EINE MENSCH-COMPUTER-SCHNITTSTELLE

Title (fr)  
SYSTÈME D'INTERFAÇAGE HOMME-ORDINATEUR

Publication  
**EP 3555733 A4 20200805 (EN)**

Application  
**EP 17880897 A 20171218**

Priority  
• US 201662435579 P 20161216  
• US 201715476732 A 20170331  
• US 2017067064 W 20171218

Abstract (en)  
[origin: WO2018112466A1] One variation of a system for interfacing a computer system and a user includes: a touch sensor defining a touch sensor surface and extending over an array of sense electrode and drive electrode pairs; a vibrator coupled to the touch sensor surface; and a controller configured to: detect application of an input onto the touch sensor surface and a force magnitude of the first input at a first time; execute a down-click cycle in response to the force magnitude exceeding a threshold magnitude by driving the vibrator to oscillate the touch sensor surface; map a location of the input on the touch sensor surface to a key of a keyboard represented by the touch sensor surface; and output a touch image representing the key and the force magnitude of the input on the touch sensor surface at approximately the first time.

IPC 8 full level  
**G06F 3/041** (2006.01); **B06B 1/00** (2006.01); **B06B 1/06** (2006.01); **G06F 3/01** (2006.01); **G06F 3/045** (2006.01)

CPC (source: EP)  
**G06F 3/016** (2013.01); **G06F 3/045** (2013.01); **B06B 1/00** (2013.01)

Citation (search report)  
• [IY] US 2015185842 A1 20150702 - PICCIOTTO CARL EDWARD [US], et al  
• [YA] US 2016259411 A1 20160908 - YONEOKA SHINGO [US], et al  
• [YA] US 2010156818 A1 20100624 - BURROUGH BOBBY [US], et al  
• [YA] US 2015185848 A1 20150702 - LEVESQUE VINCENT [CA], et al  
• See references of WO 2018112466A1

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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**US 2017067064 W 20171218**; CN 201780085618 A 20171218; EP 17880897 A 20171218