

Title (en)
Massage device

Title (de)
Massagevorrichtung

Title (fr)
Dispositif de massage

Publication
EP 3042643 A1 20160713 (DE)

Application
EP 15150679 A 20150109

Priority
EP 15150679 A 20150109

Abstract (en)
[origin: JP2016127925A] PROBLEM TO BE SOLVED: To overcome at least partially the disadvantages cited above and to provide an improved massage device operable reliably, having an easy-to-charge energy storage unit, and capable of using current wireless data transmission technologies.SOLUTION: A massage device for massaging body parts comprises: a massage portion (3) comprising in a housing (5) a vibration-generating device, an energy storage unit, a control unit, and a wireless communications device; a cable (7), one end of which is connected to the massage portion (3); and a plug (9) arranged at the other end of the cable (7) and adapted to establishing a connection with a charging device, the plug (9) comprising a printed circuit board (21) which is flat and has two USB-compatible charging electrodes (11) and an antenna (23) configured as a PCB antenna or a chip antenna for sending and receiving radio signals to and from the wireless data communications device.SELECTED DRAWING: Figure 1

Abstract (de)
Erfindungsgemäß ist eine Massagevorrichtung (1) geeignet zur Massage von Körperteilen mit einem Massageteil (3), das in einem Gehäuse (5) eine Schwingungserzeugungsvorrichtung, einen Energiespeicher, eine Steuereinrichtung und eine drahtlose Datenkommunikationseinrichtung aufweist, einem Kabel (7), das an seinem einen Ende mit dem Massageteil (3) verbunden ist, und einem Steckelement (9), das an dem anderen Ende des Kabels (7) angeordnet und zur Verbindung mit einem Ladegerät geeignet ist, wobei das Steckelement (9) zwei Ladeelektroden (11) und ein Antennenelement (23) zum Senden und Empfangen von Funksignalen von der drahtlosen Datenkommunikationseinrichtung aufweist.

IPC 8 full level
A61H 19/00 (2006.01); **A61H 23/02** (2006.01); **H01Q 1/38** (2006.01); **H01Q 1/44** (2006.01)

CPC (source: CN EP US)
A61H 19/00 (2013.01 - CN); **A61H 19/40** (2013.01 - EP US); **A61H 21/00** (2013.01 - CN); **A61H 23/02** (2013.01 - CN); **A61H 23/0263** (2013.01 - EP US); **H01Q 1/38** (2013.01 - EP US); **H01Q 1/46** (2013.01 - EP US); **A61H 2201/5015** (2013.01 - EP US); **A61H 2201/5097** (2013.01 - EP US)

Citation (applicant)
• EP 0955024 A2 19991110 - ADAMED SP ZOO [PL]
• WO 0238100 A2 20020516 - ARDATIN ERICH EDUARD [AT]

Citation (search report)
• [XD] WO 0238100 A2 20020516 - ARDATIN ERICH EDUARD [AT]
• [A] US 2010164835 A1 20100701 - TAI LUNG-SHENG [TW], et al
• [A] CN 203932525 U 20141105 - LU NANING
• [A] DE 202013105192 U1 20131206 - HIFUN S R L [IT]
• [A] US 2009111533 A1 20090430 - JOHANSSON DAVID [SE], et al

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EP3299005A1; EP3629424A1; USD963880S; WO2020064654A1; US10398622B2; US11517501B2

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
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