

Title (en)
DEVICE FOR DRY MASSAGE BY MEANS OF WATER JETS

Title (de)
VORRICHTUNG ZUR TROCKENEN MASSAGE MITTELS WASSERSTRAHLEN

Title (fr)
DISPOSITIF DE MASSAGE À SEC AU MOYEN DE JETS D'EAU

Publication
EP 4245281 A3 20240103 (DE)

Application
EP 23189836 A 20191011

Priority
• EP 19790445 A 20191011
• DE 2019100882 W 20191011
• DE 102018125146 A 20181011

Abstract (en)
[origin: CA3116143A1] The invention relates to a device (V) for dry water-jet massage, comprising: a tub (W), which is filled with massage water and runs from a head end to a foot end in the longitudinal direction and from a left side to a right side in the transverse direction, having a film material (F) as a cover closing the tub (W) water-tight on the top side, which film material is simultaneously used as a lying surface for a person (Pe) to be treated and allows the transmission of pressure pulses; a nozzle cart (1), which can be moved in the longitudinal direction of the tub (W) and bears at least two nozzles (D, D', D''), which nozzles (D, D', D'') can be fed with massage water from the tub (W) by means of a pump (P) in order to eject one water jet per nozzle against the bottom side of the film material (F); a first drive (3) for the forward and backward movement of the nozzle cart (1) in the longitudinal direction of the tub (W), the at least two nozzles (D, D') moving forward and backward in the longitudinal direction of the tub (W) with the movement of the nozzle cart (1); and a second drive (5, ZR, Z), which moves the nozzles (D, D') in the transverse direction of the tub (W). A device by means of which regions of the body of the person that are at a distance from the plane of the film can also be treated is achieved in that the film material (F) has one or more cavities on the bottom side of the film, which run in the transverse direction, are directed at the person (PE) lying on the film material (M) and shape the film (F) into one or more elevated portions (100), which are convex on the top side of the film.

IPC 8 full level
A61H 9/00 (2006.01)

CPC (source: EP KR US)
A61H 9/0021 (2013.01 - EP KR US); **B05B 15/60** (2018.01 - KR); **B05B 15/70** (2018.01 - KR); **A61H 2201/0142** (2013.01 - EP KR US); **A61H 2201/1215** (2013.01 - US); **A61H 2201/123** (2013.01 - EP); **A61H 2201/1238** (2013.01 - EP); **A61H 2201/1463** (2013.01 - KR); **A61H 2201/1481** (2013.01 - KR); **A61H 2201/149** (2013.01 - EP US); **A61H 2201/1614** (2013.01 - US); **A61H 2201/1623** (2013.01 - EP KR US); **A61H 2201/1645** (2013.01 - EP KR US); **A61H 2201/1654** (2013.01 - EP KR US); **A61H 2201/1666** (2013.01 - EP KR US); **A61H 2201/1669** (2013.01 - EP KR US); **A61H 2203/0456** (2013.01 - EP KR US); **A61H 2205/062** (2013.01 - EP KR US); **A61H 2205/081** (2013.01 - EP KR US); **A61H 2205/10** (2013.01 - EP KR)

Citation (search report)
• [XY] US 6210351 B1 20010403 - KORENAGA TETSUYA [JP]
• [XY] JP 2015154909 A 20150827 - KORENAGA MICHIRU
• [Y] EP 2327386 A1 20110601 - WELLSYSTEM GMBH [DE]
• [Y] KR 20110129315 A 20111201 - KIM SO YUEN [KR]
• [Y] US 6681770 B1 20040127 - DREHER ALBERT SHANE [US]
• [Y] US 2009312679 A1 20091217 - ELLIOTT TIMOTHY S [US], et al

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

DOCDB simple family (publication)
DE 202019105636 U1 20200117; AR 116637 A1 20210526; AU 2019357459 A1 20210513; BR 112021006679 A2 20210706; CA 3116143 A1 20200416; CN 112867474 A 20210528; CN 112867474 B 20240517; CO 2021004252 A2 20210510; DE 102018125146 A1 20200416; EP 3846765 A1 20210714; EP 3846765 B1 20230927; EP 4245281 A2 20230920; EP 4245281 A3 20240103; IL 282234 A 20210531; JP 2022504375 A 20220113; JP 7495139 B2 20240604; KR 20210072802 A 20210617; MX 2021004026 A 20210630; TW 202017549 A 20200516; TW 1827700 B 20240101; US 2022323287 A1 20221013; WO 2020074046 A1 20200416

DOCDB simple family (application)
DE 202019105636 U 20191011; AR P190102901 A 20191011; AU 2019357459 A 20191011; BR 112021006679 A 20191011; CA 3116143 A 20191011; CN 201980067134 A 20191011; CO 2021004252 A 20210407; DE 102018125146 A 20181011; DE 2019100882 W 20191011; EP 19790445 A 20191011; EP 23189836 A 20191011; IL 28223421 A 20210411; JP 2021518801 A 20191011; KR 20217013998 A 20191011; MX 2021004026 A 20191011; TW 108136883 A 20191014; US 201917283778 A 20191011