

		US-20160074210-A1 OR US-20140260331-A1 OR US-20150182375-A1 OR US-20150127077-A1 OR US-20150121900-A1 OR US-20140358204-A1 OR US-20130238043-A1 OR US-20120198616-A1 OR US-20100198322-A1 OR US-20100185267-A1 OR US-20090306748-A1 OR US-20090093864-A1 OR US-20080300529-A1 OR US-20080046047-A1 OR US-20020091425-A1 OR US-20020156509-A1 OR US-20220047412-A1 OR US-20210290430-A1 OR US-20210212883-A1 OR US-20210123641-A1 OR US-20200375840-A1 OR US-20200352459-A1 OR US-20200246520-A1 OR US-20150320590-A1 OR US-20190336326-A1 OR US-20190117445-A1 OR US-20160000600-A1 OR US-20100217349-A1 OR US-20100036295-A1 OR US-20070193278-A1 OR US-20120316624-A1 OR US-20210128058-A1 OR US-20050193742-A1 OR US-20080015545-A1 OR US-20050277974-A1 OR US-20050005626-A1 OR US-20040111086-A1 OR US-20220125672-A1 OR US-20220054350-A1 OR US-20140228721-A1 OR US-20130102937-A1 OR US-20190151604-A1 OR US-20090306577-A1 OR US-20120259255-					
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		A1 OR US- 20130006040-A1 OR US-20140094724-A1 OR US-20180147800- A1 OR US- 20160022533-A1 OR US-20220168175-A1 OR US-20180325328- A1 OR US- 20140296772-A1 OR US-20140222026-A1 OR US-20090240310- A1 OR US- 20050113725-A1 OR US-20210077338-A1 OR US-20200384253- A1 OR US- 20100312157-A1 OR US-20170072175-A1 OR US-20090043293- A1 OR US- 20180264245-A1 OR US-20180126160-A1 OR US-20180161237- A1 OR US- 20190200814-A1 OR US-20200022866-A1 OR US-20210298540- A1 OR US- 20090182249-A1 OR US-20080234611-A1 OR US-20140096786- A1 OR US- 20200290094-A1 OR US-20080106156-A1 OR US-20120233798- A1 OR US- 20120124758-A1 OR US-20170326020-A1 OR US-20040064074- A1 OR US- 20180280233-A1 OR US-20130012851- A1).did. AND PGPB.dbnm.) OR ((US- 10714953-B1 OR US- 6965375-B1 OR US- 6245890-B1 OR US- 7425947-B1 OR US- 10945915-B2 OR US- 10940081-B2 OR US- 10702448-B2 OR US- 10758452-B2 OR US- 10617588-B2 OR US- 10959911-B2 OR US- 10470970-B2 OR US- 10959908-B2 OR US- 8372111-B2 OR US-					
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		7435232-B2 OR US- 4669452-A OR US- 3993052-A OR US- 3494353-A OR US- 3169521-A OR US- 2078159-A OR US- 1660821-A OR US- 1657765-A OR US- 1545027-A OR US- 10314762-B1 OR US- 7273159-B2 OR US- 6682496-B1 OR US- 10806660-B1 OR US- 10993874-B1 OR US- 10426691-B2 OR US- 9839572-B2 OR US- 6352518-B1 OR US- 6228042-B1 OR US- 5951501-A OR US- 5593381-A OR US- 5300095-A OR US- 5167226-A OR US- 5088474-A OR US- 5085207-A OR US- 4827914-A OR US- 4566442-A OR US- 4565189-A OR US- 4513737-A OR US- 4495940-A OR US- 4088128-A OR US- 4079733-A OR US- 3837335-A OR US- 3626934-A OR US- 1955623-A OR US- 10428850-B2 OR US- D912835-S OR US- 11090222-B2 OR US- 10357425-B2 OR US- 10857064-B2 OR US- 10847984-B2 OR US- 10842703-B2 OR US- 10682281-B2 OR US- 7695207-B1 OR US- 4858600-A OR US- 1772501-A OR US- 11122206-B2 OR US- 10511777-B2 OR US- 6443915-B1 OR US- 7896908-B2 OR US- 7014639-B2 OR US- 6010264-A OR US- 5698866-A OR US- 5363045-A OR US- 5358503-A OR US- 5176130-A OR US- 2183726-A OR US- 1228669-A OR US- 9126034-B1 OR US-					
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		8936542-B1 OR US- 6461377-B1 OR US- 6123657-A OR US- 6001055-A OR US- 5632720-A OR US- 5382222-A OR US- 5662593-A OR US- 5131384-A OR US- 4326508-A OR US- 4841955-A OR US- 4549535-A OR US- 6432036-B1 OR US- 9456678-B1 OR US- 10722424-B2 OR US- 9504826-B2 OR US- 9278230-B2 OR US- 9084587-B2 OR US- 8620451-B2 OR US- 2490074-A OR US- 5103809-A OR US- 3710785-A OR US- 9782604-B2 OR US- 9592405-B2 OR US- 7479136-B2 OR US- 6702837-B2 OR US- 6019482-A OR US- 5551949-A OR US- 6875225-B1 OR US- 6974224-B2 OR US- 6524329-B1 OR US- 6221095-B1 OR US- 4561440-A OR US- 7384405-B2 OR US- 10272011-B1 OR US- 5067480-A OR US- 4716890-A OR US- 11076685-B2 OR US- 10966514-B2 OR US- 9386843-B2 OR US- 5725483-A OR US- 5647841-A OR US- 4203431-A OR US- 4397055-A OR US- 8028707-B2 OR US- 7793419-B2 OR US- 3699952-A OR US- 2548411-A OR US- 9801448-B1 OR US- 7063476-B1 OR US- 5073058-A OR US- 4991749-A OR US- 4930923-A OR US- 4883380-A OR US- 4723860-A OR US- 4171171-A OR US- D897110-S OR US- 10307330-B1 OR US- 9132031-B2 OR US-					
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		8864401-B2 OR US- 7959369-B2 OR US- 7644589-B2 OR US- 6416534-B1 OR US- 6336907-B1 OR US- 6090085-A OR US- 6017337-A OR US- 5800490-A OR US- 5690608-A OR US- 4920956-A OR US- 4846176-A OR US- 4745909-A OR US- 4640284-A OR US- 4502469-A OR US- 3382866-A OR US- 3154926-A OR US- 8951216-B2 OR US- 7927259-B1 OR US- 6723060-B2 OR US- 6663657-B1 OR US- 6599260-B2 OR US- 5569168-A OR US- 4730605-A OR US- 4150668-A OR US- 3452226-A OR US- 7211057-B2 OR US- 6896693-B2 OR US- 10625093-B2 OR US- 10695508-B2 OR US- 10383486-B2 OR US- 10376659-B2 OR US- 10124165-B2 OR US- D803572-S OR US- 9808646-B2 OR US- 9585687-B2 OR US- D765982-S OR US- D764173-S OR US- 9278045-B2 OR US- 9272141-B2 OR US- D736399-S OR US- 6766199-B2 OR US- 8945104-B2 OR US- 8506506-B2 OR US- 10881577-B2 OR US- 8397518-B1 OR US- 6438964-B1 OR US- 11241357-B2 OR US- 10821297-B2 OR US- 9962284-B2 OR US- 8523791-B2 OR US- 5746702-A OR US- 5174285-A OR US- 4741338-A OR US- 4470263-A OR US- 3099137-A OR US- 7559907-B2 OR US- 7204041-B1 OR US- 5895418-A OR US-					
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		5097828-A OR US- 4614191-A OR US- 4519389-A OR US- D949390-S OR US- 11166863-B2 OR US- 11160721-B2 OR US- 10980704-B2 OR US- 10918565-B2 OR US- 10912707-B2 OR US- 9889066-B2 OR US- 11253423-B1 OR US- 10201470-B2 OR US- 10492984-B2 OR US- 4162675-A OR US- 4505267-A OR US- 5065743-A OR US- 5140979-A OR US- 5159922-A OR US- 5311860-A OR US- 5415621-A OR US- 5447491-A OR US- 5656018-A OR US- 5803916-A OR US- 7282037-B2 OR US- 6758826-B2 OR US- 6231497-B1 OR US- 11110260-B1 OR US- 10966515-B2 OR US- 10737107-B2 OR US- 10688290-B1 OR US- 10661072-B2 OR US- 7083580-B2 OR US- 6748266-B2 OR US- D693932-S OR US- 6535761-B2 OR US- 10518097-B2 OR US- 10285722-B2 OR US- 7282036-B2 OR US- 7258675-B2 OR US- 10252051-B2 OR US- 5489280-A OR US- 4821740-A OR US- 4427001-A OR US- 9787167-B2 OR US- 9474358-B2 OR US- 8641702-B2 OR US- 3968789-A OR US- 9138257-B2 OR US- 9579250-B2 OR US- 9032576-B2 OR US- 10463531-B2 OR US- 6743215-B2 OR US- 8382690-B2 OR US- 10278888-B2 OR US- 8157753-B2 OR US- 6980854-B2 OR US- 7204832-B2).did. AND USPT.dbnm.) OR ((US-					
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		3494353-A OR US- 3169521-A OR US- 2078159-A OR US- 1660821-A OR US- 1657765-A OR US- 1545027-A OR US- 3536064-A OR US- 2512536-A OR US- 1955623-A OR US- 1352894-A OR US- 1339179-A OR US- 1772501-A OR US- 2183726-A OR US- 1228669-A OR US- 3467080-A OR US- 2490074-A OR US- 2424699-A OR US- 2441682-A OR US- 2548411-A OR US- 2995768-A OR US- 3154926-A OR US- 2985166-A OR US- 2809630-A OR US- 2477883-A OR US- 2472385-A OR US- 1380986-A OR US- 1955863-A).did. AND USOC.dbnm.) OR ((WO-2022006086-A1 OR WO-2021222573- A1 OR WO- 2021050861-A1 OR WO-2021050868-A1 OR WO-2020227569- A1 OR WO- 2020167756-A1 OR WO-2020139715-A1 OR WO-2019013972- A1 OR WO- 2019014031-A1 OR WO-2018170121-A1 OR WO-2016209759- A1 OR CN-215133032- U OR CN-112932935-A OR DE-102020123082- A1 OR CN-113855514- A OR KR- 20220062350-A OR KR-20220058677-A OR KR-20220030711-A OR CN-114010485-A OR KR-102325386-B1 OR WO-2021210750-A1 OR WO-2021211238- A1 OR CN-113350154- A OR CN-113274276-A OR KR-20210095422-A OR KR-20210091842-A					
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		OR CN-113116702-A OR CN-113081751-A OR CN-213490366-U OR CN-112791308-A OR CN-112773696-A OR CN-112741964-A OR KR-20210047406-A OR KR-20210044358-A OR KR-20210044035-A OR CN-112618960-A OR KR-20210036430-A OR KR-20210000722-U OR CN-112370646-A OR KR-20210018636-A OR KR-20210016729-A OR CN-112315773-A OR KR-20210013392-A OR CN-112245261-A OR CN-216439596-U OR CN-215938255-U OR CN-215779811-U OR CN-214859044-U OR CN-112891186-A OR CN-213157619-U OR CN-210844180-U OR CN-209933448-U OR KR-20210001066-A OR CN-111973428-A OR KR-102178263-B1 OR KR-20200126252-A OR CN-111821150-A OR WO-2020209497-A1 OR KR-102161933-B1 OR KR-20200100378-A OR WO-2020163738-A1 OR WO-2020159727-A1 OR KR-20200063823-A OR KR-102118572-B1 OR KR-20200051098-A OR KR-20200050488-A OR CN-111109818-A OR KR-20200040003-A OR EP-3626122-A1 OR WO-2020018713-A1 OR CN-110711134-A OR KR-102067323-B1 OR CN-110478222-A OR WO-2019207469-A1 OR WO-2019203423-A1 OR CN-110339042-A OR CN-110302051-A OR CN-110101563-A OR CN-109998891-A OR WO-2019118561-A1 OR WO-2019097291-					
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		A1 OR CN-109620684-A OR CN-109394489-A OR CN-109350862-A OR CN-109223500-A OR CN-108671405-A OR KR-20180113097-A OR KR-20180002806-U OR KR-101891952-B1 OR CN-108543126-A OR CN-108542741-A OR CN-108451704-A OR CN-108451705-A OR KR-20180094694-A OR CN-108392388-A OR WO-2018135671-A1 OR WO-2018126135-A1 OR CN-108175673-A OR WO-2018094540-A1 OR CA-3045164-A1 OR KR-101852410-B1 OR CN-209404585-U OR WO-2014106812-A2).did. AND FTDB.dbnm.) OR ((US-20220133585-A1 OR CN-215133032-U OR US-10993874-B1 OR JP-2020171460-A OR US-20190254922-A1 OR US-20170056145-A1 OR US-5176130-A OR CN-113855514-A OR US-20180325328-A1 OR WO-2013021380-A1 OR US-20070185553-A1 OR EP-1525872-A1 OR US-20140135798-A1 OR US-20180178032-A1 OR US-20210001148-A1 OR US-20210077338-A1 OR US-20210154093-A1 OR CN-110694170-A OR CN-107913174-A OR US-20140194900-A1 OR US-20170112713-A1 OR US-20190200814-A1 OR US-20190290076-A1 OR US-20180161237-A1 OR CN-209404585-U OR US-10973374-B1 OR US-20200261310-A1 OR US-20180289584-A1 OR WO-					
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L364	3	2014062647-A1 OR US-20200154874-A1 OR US-20180092449- A1 OR WO- 2017027793-A1).did. AND DWPI.dbnm.) 17/361966	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/10 11:20 PM
L365	108	wersland.in. near2 jason.in.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/07 01:50 PM
L366	156	wersland.in. near2 jason.in.	(US-PGPUB; USPAT; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN))	OR	ON	ON	2022/08/07 01:50 PM
L367	153	nazarian.in. near2 benjamin.in.	(US-PGPUB; USPAT; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN))	OR	ON	ON	2022/08/07 01:50 PM
L368	90	solana.in. near2 jaime.in.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/07 01:50 PM
L369	60	merino.in. near2 eduardo.in.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/07 01:51 PM
L370	37	webb.in. near2 bill.in.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/07 01:51 PM
L371	41	zhu.in. near2 alex.in.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/07 01:51 PM
L372	24	tang.in. near2 richard.in.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/07 01:51 PM
L373	1028	((US-20210244611-A1 OR US-20210244610- A1 OR US- 20200352821-A1 OR US-20200352820-A1 OR US-20210169733- A1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/08/07 01:51 PM

		20200069510-A1 OR US-20210128399-A1 OR US-20210104318- A1 OR US- 20210059898-A1 OR US-20210022955-A1 OR US-20200405574- A1 OR US- 20200214930-A1 OR US-20200261307-A1 OR US-20200265590- A1 OR US- 20200261310-A1 OR US-20190350793-A1 OR US-20190017528- A1 OR US- 20200005469-A1 OR US-20160135516-A1 OR US-20170076361- A1 OR US- 20180200141-A1 OR US-20190015294-A1 OR US-20170364154- A1 OR US- 20180263845-A1 OR US-20180235031-A1 OR US-20180149437- A1 OR US- 20170297280-A1 OR US-20160367425-A1 OR US-20120117481- A1 OR US- 20030165480-A1 OR US-20040037895-A1 OR US-20020192231- A1 OR US- 20200343746-A1 OR US-20200289365-A1 OR US-20190136889- A1 OR US- 20190209424-A1 OR US-20170027798-A1 OR US-20210307998- A1 OR US- 20200085675-A1 OR US-20210283005-A1 OR US-20190175434- A1 OR US- 20170304145-A1 OR US-20170042754-A1 OR US-20150005682- A1 OR US- 20130261516-A1 OR US-20070270727-A1 OR US-20060282025- A1 OR US- 20030009116-A1 OR US-20210244609-A1	IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
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		OR US-20210228437-A1 OR US-20210196563-A1 OR US-20210196562-A1 OR US-20210161759-A1 OR US-20210128402-A1 OR US-20210113427-A1 OR US-20210113421-A1 OR US-20210077340-A1 OR US-20210022951-A1 OR US-20210000683-A1 OR US-20200393026-A1 OR US-20200390644-A1 OR US-20200357046-A1 OR US-20190254921-A1 OR US-20200315904-A1 OR US-20200289364-A1 OR US-20200276079-A1 OR US-20200268594-A1 OR US-20200261306-A1 OR US-20200230012-A1 OR US-20200155410-A1 OR US-20200113322-A1 OR US-20200000678-A1 OR US-20190365598-A1 OR US-20190262222-A1 OR US-20190247271-A1 OR US-20190159961-A1 OR US-20160045081-A1 OR US-20160184175-A1 OR US-20180031090-A1 OR US-20180031089-A1 OR US-20170304144-A1 OR US-20140031866-A1 OR US-20170049278-A1 OR US-20160184177-A1 OR US-20160113840-A1 OR US-20150265825-A1 OR US-20150174387-A1 OR US-20140188169-A1 OR US-20090236359-A1 OR US-20100137907-A1 OR US-20030158505-A1 OR US-20050222525-A1 OR US-					
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		20050187498-A1 OR US-20020082532-A1 OR US-20020082536- A1 OR US- 20210259915-A1 OR US-20210186800-A1 OR US-20210177692- A1 OR US- 20200330321-A1 OR US-20140194900-A1 OR US-20210100718- A1 OR US- 20200390645-A1 OR US-20190254922-A1 OR US-20200222263- A1 OR US- 20160213558-A1 OR US-20180050440-A1 OR US-20050131461- A1 OR US- 20050075591-A1 OR US-20200009010-A1 OR US-20190247270- A1 OR US- 20160151238-A1 OR US-20150297393-A1 OR US-20150283026- A1 OR US- 20140276255-A1 OR US-20140194790-A1 OR US-20120253245- A1 OR US- 20180295980-A1 OR US-20170189670-A1 OR US-20160206087- A1 OR US- 20160184173-A1 OR US-20160184162-A1 OR US-20150333609- A1 OR US- 20150182290-A1 OR US-20110040235-A1 OR US-20090222072- A1 OR US- 20090163984-A1 OR US-20070206986-A1 OR US-20040147984- A1 OR US- 20040024438-A1 OR US-20200086137-A1 OR US-20150305969- A1 OR US- 20140378555-A1 OR US-20130060176-A1 OR US-20110184499- A1 OR US- 20110106067-A1 OR US-20110098781-A1					
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		OR US-20100292746-A1 OR US-20100210993-A1 OR US-20100121419-A1 OR US-20100049177-A1 OR US-20090177125-A1 OR US-20060058714-A1 OR US-20080119913-A1 OR US-20060253051-A1 OR US-20050075149-A1 OR US-20120209357-A1 OR US-20120121309-A1 OR US-20110092863-A1 OR US-20110091265-A1 OR US-20090287195-A1 OR US-20090234423-A1 OR US-20090088824-A1 OR US-20090048557-A1 OR US-20080172045-A1 OR US-20080154162-A1 OR US-20080014011-A1 OR US-20160158568-A1 OR US-20150150599-A1 OR US-20150045702-A1 OR US-20140194668-A1 OR US-20140128780-A1 OR US-20130046212-A1 OR US-20130030506-A1 OR US-20110144410-A1 OR US-20110032960-A1 OR US-20100179456-A1 OR US-20100081858-A1 OR US-20090270779-A1 OR US-20090005631-A1 OR US-20080214968-A1 OR US-20070185553-A1 OR US-20070073366-A1 OR US-20070073198-A1 OR US-20070027411-A1 OR US-20060047330-A1 OR US-20050131497-A1 OR US-20050070977-A1 OR US-20050045189-A1 OR US-20040260210-A1 OR US-					
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		A1 OR US- 20050005626-A1 OR US-20040111086-A1 OR US-20220125672- A1 OR US- 20220054350-A1 OR US-20140228721-A1 OR US-20130102937- A1 OR US- 20190151604-A1 OR US-20090306577-A1 OR US-20120259255- A1 OR US- 20130006040-A1 OR US-20140094724-A1 OR US-20180147800- A1 OR US- 20160022533-A1 OR US-20220168175-A1 OR US-20180325328- A1 OR US- 20140296772-A1 OR US-20140222026-A1 OR US-20090240310- A1 OR US- 20050113725-A1 OR US-20210077338-A1 OR US-20200384253- A1 OR US- 20100312157-A1 OR US-20170072175-A1 OR US-20090043293- A1 OR US- 20180264245-A1 OR US-20180126160-A1 OR US-20180161237- A1 OR US- 20190200814-A1 OR US-20200022866-A1 OR US-20210298540- A1 OR US- 20090182249-A1 OR US-20080234611-A1 OR US-20140096786- A1 OR US- 20200290094-A1 OR US-20080106156-A1 OR US-20120233798- A1 OR US- 20120124758-A1 OR US-20170326020-A1 OR US-20040064074- A1 OR US- 20180280233-A1 OR US-20130012851- A1).did. AND PGPB.dbnm.) OR ((US- 10714953-B1 OR US-					
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		6965375-B1 OR US- 6245890-B1 OR US- 7425947-B1 OR US- 10945915-B2 OR US- 10940081-B2 OR US- 10702448-B2 OR US- 10758452-B2 OR US- 10617588-B2 OR US- 10959911-B2 OR US- 10470970-B2 OR US- 10959908-B2 OR US- 8372111-B2 OR US- 7435232-B2 OR US- 4669452-A OR US- 3993052-A OR US- 3494353-A OR US- 3169521-A OR US- 2078159-A OR US- 1660821-A OR US- 1657765-A OR US- 1545027-A OR US- 10314762-B1 OR US- 7273159-B2 OR US- 6682496-B1 OR US- 10806660-B1 OR US- 10993874-B1 OR US- 10426691-B2 OR US- 9839572-B2 OR US- 6352518-B1 OR US- 6228042-B1 OR US- 5951501-A OR US- 5593381-A OR US- 5300095-A OR US- 5167226-A OR US- 5088474-A OR US- 5085207-A OR US- 4827914-A OR US- 4566442-A OR US- 4565189-A OR US- 4513737-A OR US- 4495940-A OR US- 4088128-A OR US- 4079733-A OR US- 3837335-A OR US- 3626934-A OR US- 1955623-A OR US- 10428850-B2 OR US- D912835-S OR US- 11090222-B2 OR US- 10357425-B2 OR US- 10857064-B2 OR US- 10847984-B2 OR US- 10842703-B2 OR US- 10682281-B2 OR US- 7695207-B1 OR US- 4858600-A OR US- 1772501-A OR US- 11122206-B2 OR US-					
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		10511777-B2 OR US- 6443915-B1 OR US- 7896908-B2 OR US- 7014639-B2 OR US- 6010264-A OR US- 5698866-A OR US- 5363045-A OR US- 5358503-A OR US- 5176130-A OR US- 2183726-A OR US- 1228669-A OR US- 9126034-B1 OR US- 8936542-B1 OR US- 6461377-B1 OR US- 6123657-A OR US- 6001055-A OR US- 5632720-A OR US- 5382222-A OR US- 5662593-A OR US- 5131384-A OR US- 4326508-A OR US- 4841955-A OR US- 4549535-A OR US- 6432036-B1 OR US- 9456678-B1 OR US- 10722424-B2 OR US- 9504826-B2 OR US- 9278230-B2 OR US- 9084587-B2 OR US- 8620451-B2 OR US- 2490074-A OR US- 5103809-A OR US- 3710785-A OR US- 9782604-B2 OR US- 9592405-B2 OR US- 7479136-B2 OR US- 6702837-B2 OR US- 6019482-A OR US- 5551949-A OR US- 6875225-B1 OR US- 6974224-B2 OR US- 6524329-B1 OR US- 6221095-B1 OR US- 4561440-A OR US- 7384405-B2 OR US- 10272011-B1 OR US- 5067480-A OR US- 4716890-A OR US- 11076685-B2 OR US- 10966514-B2 OR US- 9386843-B2 OR US- 5725483-A OR US- 5647841-A OR US- 4203431-A OR US- 4397055-A OR US- 8028707-B2 OR US- 7793419-B2 OR US- 3699952-A OR US-					
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		2548411-A OR US- 9801448-B1 OR US- 7063476-B1 OR US- 5073058-A OR US- 4991749-A OR US- 4930923-A OR US- 4883380-A OR US- 4723860-A OR US- 4171171-A OR US- D897110-S OR US- 10307330-B1 OR US- 9132031-B2 OR US- 8864401-B2 OR US- 7959369-B2 OR US- 7644589-B2 OR US- 6416534-B1 OR US- 6336907-B1 OR US- 6090085-A OR US- 6017337-A OR US- 5800490-A OR US- 5690608-A OR US- 4920956-A OR US- 4846176-A OR US- 4745909-A OR US- 4640284-A OR US- 4502469-A OR US- 3382866-A OR US- 3154926-A OR US- 8951216-B2 OR US- 7927259-B1 OR US- 6723060-B2 OR US- 6663657-B1 OR US- 6599260-B2 OR US- 5569168-A OR US- 4730605-A OR US- 4150668-A OR US- 3452226-A OR US- 7211057-B2 OR US- 6896693-B2 OR US- 10625093-B2 OR US- 10695508-B2 OR US- 10383486-B2 OR US- 10376659-B2 OR US- 10124165-B2 OR US- D803572-S OR US- 9808646-B2 OR US- 9585687-B2 OR US- D765982-S OR US- D764173-S OR US- 9278045-B2 OR US- 9272141-B2 OR US- D736399-S OR US- 6766199-B2 OR US- 8945104-B2 OR US- 8506506-B2 OR US- 10881577-B2 OR US- 8397518-B1 OR US- 6438964-B1 OR US-					
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		11241357-B2 OR US- 10821297-B2 OR US- 9962284-B2 OR US- 8523791-B2 OR US- 5746702-A OR US- 5174285-A OR US- 4741338-A OR US- 4470263-A OR US- 3099137-A OR US- 7559907-B2 OR US- 7204041-B1 OR US- 5895418-A OR US- 5097828-A OR US- 4614191-A OR US- 4519389-A OR US- D949390-S OR US- 11166863-B2 OR US- 11160721-B2 OR US- 10980704-B2 OR US- 10918565-B2 OR US- 10912707-B2 OR US- 9889066-B2 OR US- 11253423-B1 OR US- 10201470-B2 OR US- 10492984-B2 OR US- 4162675-A OR US- 4505267-A OR US- 5065743-A OR US- 5140979-A OR US- 5159922-A OR US- 5311860-A OR US- 5415621-A OR US- 5447491-A OR US- 5656018-A OR US- 5803916-A OR US- 7282037-B2 OR US- 6758826-B2 OR US- 6231497-B1 OR US- 11110260-B1 OR US- 10966515-B2 OR US- 10737107-B2 OR US- 10688290-B1 OR US- 10661072-B2 OR US- 7083580-B2 OR US- 6748266-B2 OR US- D693932-S OR US- 6535761-B2 OR US- 10518097-B2 OR US- 10285722-B2 OR US- 7282036-B2 OR US- 7258675-B2 OR US- 10252051-B2 OR US- 5489280-A OR US- 4821740-A OR US- 4427001-A OR US- 9787167-B2 OR US- 9474358-B2 OR US- 8641702-B2 OR US-					
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		3968789-A OR US- 9138257-B2 OR US- 9579250-B2 OR US- 9032576-B2 OR US- 10463531-B2 OR US- 6743215-B2 OR US- 8382690-B2 OR US- 10278888-B2 OR US- 8157753-B2 OR US- 6980854-B2 OR US- 7204832-B2).did. AND USPT.dbnm.) OR ((US- 3494353-A OR US- 3169521-A OR US- 2078159-A OR US- 1660821-A OR US- 1657765-A OR US- 1545027-A OR US- 3536064-A OR US- 2512536-A OR US- 1955623-A OR US- 1352894-A OR US- 1339179-A OR US- 1772501-A OR US- 2183726-A OR US- 1228669-A OR US- 3467080-A OR US- 2490074-A OR US- 2424699-A OR US- 2441682-A OR US- 2548411-A OR US- 2995768-A OR US- 3154926-A OR US- 2985166-A OR US- 2809630-A OR US- 2477883-A OR US- 2472385-A OR US- 1380986-A OR US- 1955863-A).did. AND USOC.dbnm.) OR ((WO-2022006086-A1 OR WO-2021222573- A1 OR WO- 2021050861-A1 OR WO-2021050868-A1 OR WO-2020227569- A1 OR WO- 2020167756-A1 OR WO-2020139715-A1 OR WO-2019013972- A1 OR WO- 2019014031-A1 OR WO-2018170121-A1 OR WO-2016209759- A1 OR CN-215133032- U OR CN-112932935-A OR DE-102020123082- A1 OR CN-113855514-					
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		A OR KR- 20220062350-A OR KR-20220058677-A OR KR-20220030711-A OR CN-114010485-A OR KR-102325386-B1 OR WO-2021210750-A1 OR WO-2021211238- A1 OR CN-113350154- A OR CN-113274276-A OR KR-20210095422-A OR KR-20210091842-A OR CN-113116702-A OR CN-113081751-A OR CN-213490366-U OR CN-112791308-A OR CN-112773696-A OR CN-112741964-A OR KR-20210047406-A OR KR-20210044358-A OR KR-20210044035-A OR CN-112618960-A OR KR-20210036430-A OR KR-20210000722-U OR CN-112370646-A OR KR-20210018636-A OR KR-20210016729-A OR CN-112315773-A OR KR-20210013392-A OR CN-112245261-A OR CN-216439596-U OR CN-215938255-U OR CN-215779811-U OR CN-214859044-U OR CN-112891186-A OR CN-213157619-U OR CN-210844180-U OR CN-209933448-U OR KR-20210001066-A OR CN-111973428-A OR KR-102178263-B1 OR KR-20200126252-A OR CN-111821150-A OR WO-2020209497- A1 OR KR-102161933- B1 OR KR- 20200100378-A OR WO-2020163738-A1 OR WO-2020159727- A1 OR KR- 20200063823-A OR KR-102118572-B1 OR KR-20200051098-A OR KR-20200050488-A OR CN-111109818-A OR KR-20200040003-A OR EP-3626122-A1 OR WO-2020018713-A1					
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		OR CN-110711134-A OR KR-102067323-B1 OR CN-110478222-A OR WO-2019207469-A1 OR WO-2019203423-A1 OR CN-110339042-A OR CN-110302051-A OR CN-110101563-A OR CN-109998891-A OR WO-2019118561-A1 OR WO-2019097291-A1 OR CN-109620684-A OR CN-109394489-A OR CN-109350862-A OR CN-109223500-A OR CN-108671405-A OR KR-20180113097-A OR KR-20180002806-U OR KR-101891952-B1 OR CN-108543126-A OR CN-108542741-A OR CN-108451704-A OR CN-108451705-A OR KR-20180094694-A OR CN-108392388-A OR WO-2018135671-A1 OR WO-2018126135-A1 OR CN-108175673-A OR WO-2018094540-A1 OR CA-3045164-A1 OR KR-101852410-B1 OR CN-209404585-U OR WO-2014106812-A2).did. AND FTDB.dbnm.) OR ((US-20220133585-A1 OR CN-215133032-U OR US-10993874-B1 OR JP-2020171460-A OR US-20190254922-A1 OR US-20170056145-A1 OR US-5176130-A OR CN-113855514-A OR US-20180325328-A1 OR WO-2013021380-A1 OR US-20070185553-A1 OR EP-1525872-A1 OR US-20140135798-A1 OR US-20180178032-A1 OR US-20210001148-A1 OR US-20210077338-A1 OR US-20210154093-A1 OR CN-110694170-A OR CN-107913174-A					
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		OR US-20140194900-A1 OR US-20170112713-A1 OR US-20190200814-A1 OR US-20190290076-A1 OR US-20180161237-A1 OR CN-209404585-U OR US-10973374-B1 OR US-20200261310-A1 OR US-20180289584-A1 OR WO-2014062647-A1 OR US-20200154874-A1 OR US-20180092449-A1 OR WO-2017027793-A1).did. AND DWPI.dbnm.)					
L377	3	("20150045702" "20190262607" "20200154874").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/08 10:33 PM
L378	12	("2015/0045702").urpn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/08/09 12:18 PM
L379	24	((WO-2020159727-A1 OR KR-20200051098-A).did. AND FTDB.dbnm.) OR ((US-9889066-B2 OR US-9474358-B2 OR US-4513737-A OR US-4088128-A OR US-10428850-B2).did. AND USPT.dbnm.) OR ((US-20200390644-A1 OR US-20200154874-A1 OR US-20200093945-A1 OR US-20180050440-A1 OR US-20170027798-A1 OR US-20160287034-A1 OR US-20160192814-A1 OR US-20150202114-A1 OR US-20150005682-A1 OR US-20140371637-A1 OR US-20140096786-A1 OR US-20140031866-A1 OR US-20120209357-A1 OR US-20090182249-A1 OR US-20090005631-A1 OR US-20080234611-A1 OR US-20020082536-A1).did. AND	(FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); USPAT; US-PGPUB)	OR	ON	ON	2022/08/09 11:15 PM

L380	1491	PGPB.dbnm.) a61h23/00,006.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/09 11:22 PM
L381	1028	((US-20210244611-A1 OR US-20210244610- A1 OR US- 20200352821-A1 OR US-20200352820-A1 OR US-20210169733- A1 OR US- 20200069510-A1 OR US-20210128399-A1 OR US-20210104318- A1 OR US- 20210059898-A1 OR US-20210022955-A1 OR US-20200405574- A1 OR US- 20200214930-A1 OR US-20200261307-A1 OR US-20200265590- A1 OR US- 20200261310-A1 OR US-20190350793-A1 OR US-20190017528- A1 OR US- 20200005469-A1 OR US-20160135516-A1 OR US-20170076361- A1 OR US- 20180200141-A1 OR US-20190015294-A1 OR US-20170364154- A1 OR US- 20180263845-A1 OR US-20180235031-A1 OR US-20180149437- A1 OR US- 20170297280-A1 OR US-20160367425-A1 OR US-20120117481- A1 OR US- 20030165480-A1 OR US-20040037895-A1 OR US-20020192231- A1 OR US- 20200343746-A1 OR US-20200289365-A1 OR US-20190136889- A1 OR US- 20190209424-A1 OR US-20170027798-A1 OR US-20210307998- A1 OR US- 20200085675-A1 OR US-20210283005-A1 OR US-20190175434-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/21 02:34 PM

		A1 OR US- 20170304145-A1 OR US-20170042754-A1 OR US-20150005682- A1 OR US- 20130261516-A1 OR US-20070270727-A1 OR US-20060282025- A1 OR US- 20030009116-A1 OR US-20210244609-A1 OR US-20210228437- A1 OR US- 20210196563-A1 OR US-20210196562-A1 OR US-20210161759- A1 OR US- 20210128402-A1 OR US-20210113427-A1 OR US-20210113421- A1 OR US- 20210077340-A1 OR US-20210022951-A1 OR US-20210000683- A1 OR US- 20200393026-A1 OR US-20200390644-A1 OR US-20200357046- A1 OR US- 20190254921-A1 OR US-20200315904-A1 OR US-20200289364- A1 OR US- 20200276079-A1 OR US-20200268594-A1 OR US-20200261306- A1 OR US- 20200230012-A1 OR US-20200155410-A1 OR US-20200113322- A1 OR US- 20200000678-A1 OR US-20190365598-A1 OR US-20190262222- A1 OR US- 20190247271-A1 OR US-20190159961-A1 OR US-20160045081- A1 OR US- 20160184175-A1 OR US-20180031090-A1 OR US-20180031089- A1 OR US- 20170304144-A1 OR US-20140031866-A1 OR US-20170049278- A1 OR US- 20160184177-A1 OR					
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		US-20160113840-A1 OR US-20150265825-A1 OR US-20150174387-A1 OR US-20140188169-A1 OR US-20090236359-A1 OR US-20100137907-A1 OR US-20030158505-A1 OR US-20050222525-A1 OR US-20050187498-A1 OR US-20020082532-A1 OR US-20020082536-A1 OR US-20210259915-A1 OR US-20210186800-A1 OR US-20210177692-A1 OR US-20200330321-A1 OR US-20140194900-A1 OR US-20210100718-A1 OR US-20200390645-A1 OR US-20190254922-A1 OR US-20200222263-A1 OR US-20160213558-A1 OR US-20180050440-A1 OR US-20050131461-A1 OR US-20050075591-A1 OR US-20200009010-A1 OR US-20190247270-A1 OR US-20160151238-A1 OR US-20150297393-A1 OR US-20150283026-A1 OR US-20140276255-A1 OR US-20140194790-A1 OR US-20120253245-A1 OR US-20180295980-A1 OR US-20170189670-A1 OR US-20160206087-A1 OR US-20160184173-A1 OR US-20160184162-A1 OR US-20150333609-A1 OR US-20150182290-A1 OR US-20110040235-A1 OR US-20090222072-A1 OR US-20090163984-A1 OR US-20070206986-A1 OR US-20040147984-					
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		A1 OR US- 20040024438-A1 OR US-20200086137-A1 OR US-20150305969- A1 OR US- 20140378555-A1 OR US-20130060176-A1 OR US-20110184499- A1 OR US- 20110106067-A1 OR US-20110098781-A1 OR US-20100292746- A1 OR US- 20100210993-A1 OR US-20100121419-A1 OR US-20100049177- A1 OR US- 20090177125-A1 OR US-20060058714-A1 OR US-20080119913- A1 OR US- 20060253051-A1 OR US-20050075149-A1 OR US-20120209357- A1 OR US- 20120121309-A1 OR US-20110092863-A1 OR US-20110091265- A1 OR US- 20090287195-A1 OR US-20090234423-A1 OR US-20090088824- A1 OR US- 20090048557-A1 OR US-20080172045-A1 OR US-20080154162- A1 OR US- 20080014011-A1 OR US-20160158568-A1 OR US-20150150599- A1 OR US- 20150045702-A1 OR US-20140194668-A1 OR US-20140128780- A1 OR US- 20130046212-A1 OR US-20130030506-A1 OR US-20110144410- A1 OR US- 20110032960-A1 OR US-20100179456-A1 OR US-20100081858- A1 OR US- 20090270779-A1 OR US-20090005631-A1 OR US-20080214968- A1 OR US- 20070185553-A1 OR					
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		2809630-A OR US- 2477883-A OR US- 2472385-A OR US- 1380986-A OR US- 1955863-A).did. AND USOC.dbnm.) OR ((WO-2022006086-A1 OR WO-2021222573- A1 OR WO- 2021050861-A1 OR WO-2021050868-A1 OR WO-2020227569- A1 OR WO- 2020167756-A1 OR WO-2020139715-A1 OR WO-2019013972- A1 OR WO- 2019014031-A1 OR WO-2018170121-A1 OR WO-2016209759- A1 OR CN-215133032- U OR CN-112932935-A OR DE-102020123082- A1 OR CN-113855514- A OR KR- 20220062350-A OR KR-20220058677-A OR KR-20220030711-A OR CN-114010485-A OR KR-102325386-B1 OR WO-2021210750-A1 OR WO-2021211238- A1 OR CN-113350154- A OR CN-113274276-A OR KR-20210095422-A OR KR-20210091842-A OR CN-113116702-A OR CN-113081751-A OR CN-213490366-U OR CN-112791308-A OR CN-112773696-A OR CN-112741964-A OR KR-20210047406-A OR KR-20210044358-A OR KR-20210044035-A OR CN-112618960-A OR KR-20210036430-A OR KR-20210000722-U OR CN-112370646-A OR KR-20210018636-A OR KR-20210016729-A OR CN-112315773-A OR KR-20210013392-A OR CN-112245261-A OR CN-216439596-U OR CN-215938255-U OR CN-215779811-U OR CN-214859044-U					
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		OR CN-112891186-A OR CN-213157619-U OR CN-210844180-U OR CN-209933448-U OR KR-20210001066-A OR CN-111973428-A OR KR-102178263-B1 OR KR-20200126252-A OR CN-111821150-A OR WO-2020209497-A1 OR KR-102161933-B1 OR KR-20200100378-A OR WO-2020163738-A1 OR WO-2020159727-A1 OR KR-20200063823-A OR KR-102118572-B1 OR KR-20200051098-A OR KR-20200050488-A OR CN-111109818-A OR KR-20200040003-A OR EP-3626122-A1 OR WO-2020018713-A1 OR CN-110711134-A OR KR-102067323-B1 OR CN-110478222-A OR WO-2019207469-A1 OR WO-2019203423-A1 OR CN-110339042-A OR CN-110302051-A OR CN-110101563-A OR CN-109998891-A OR WO-2019118561-A1 OR WO-2019097291-A1 OR CN-109620684-A OR CN-109394489-A OR CN-109350862-A OR CN-109223500-A OR CN-108671405-A OR KR-20180113097-A OR KR-20180002806-U OR KR-101891952-B1 OR CN-108543126-A OR CN-108542741-A OR CN-108451704-A OR CN-108451705-A OR KR-20180094694-A OR CN-108392388-A OR WO-2018135671-A1 OR WO-2018126135-A1 OR CN-108175673-A OR WO-2018094540-A1 OR CA-3045164-A1 OR KR-101852410-B1 OR CN-209404585-U					
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		WO-2014106812-A2).did. AND FTDB.dbnm.) OR ((US-20220133585-A1 OR CN-215133032-U OR US-10993874-B1 OR JP-2020171460-A OR US-20190254922-A1 OR US-20170056145-A1 OR US-5176130-A OR CN-113855514-A OR US-20180325328-A1 OR WO-2013021380-A1 OR US-20070185553-A1 OR EP-1525872-A1 OR US-20140135798-A1 OR US-20180178032-A1 OR US-20210001148-A1 OR US-20210077338-A1 OR US-20210154093-A1 OR CN-110694170-A OR CN-107913174-A OR US-20140194900-A1 OR US-20170112713-A1 OR US-20190200814-A1 OR US-20190290076-A1 OR US-20180161237-A1 OR CN-209404585-U OR US-10973374-B1 OR US-20200261310-A1 OR US-20180289584-A1 OR WO-2014062647-A1 OR US-20200154874-A1 OR US-20180092449-A1 OR WO-2017027793-A1).did. AND DWPI.dbnm.)					
L382	1	14/223274	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 10:08 PM
L383	46	("20110000116" "20130085422" "3822781" "5261352" "5406054" "6028293" "6070718" "6674052" "D571926" "6070718" "5316139" "1380986" "20080053979" "5653345" "5683007" "6001070" "6874462" "20080255480" "20070032751" "20060287696" "6866776" "8715210" "D560810" "20100320188" "72	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 10:10 PM

		76676 "8167166 "D58 6469 "4607624 "4427 001 "20020026133 "2 0100286577 "2011014 4546 "8278606 "6155 995 "1534974 "20110 103776 "6320161 "D3 45801 "20110144546" "8278606 "200100079 52 "20090134180 "D6 26656 "6028293 "631 2397 "2744995 "5274 215 "6144016 "63201 61 "8387271 "651144 6").PN.					
L384	12	383 AND (magnet\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 10:10 PM
L385	1562	a61h23/00,006.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 10:16 PM
L386	281	385 AND (magnet\$4) WITH (connect\$4 receptacl\$4 protrusion protruding aperture detach\$5 attaching attached attachment attachable removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 10:20 PM
L387	1	("20190262607").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 10:58 PM
L388	210	381 AND (determin\$4 identify\$4 identificat\$4 identity recognize recognit\$4 detect\$4) WITH (electrical\$4 contact electric\$4 electrode prong data transmission)	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 11:10 PM
L389	242	381 AND (determin\$4 identify\$4 identificat\$4 identity recognize recognit\$4 detect\$4) WITH (electrical\$4 contact electric\$4 electrode prong data communicat\$4 volt\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 11:10 PM
L390	101	381 AND (determin\$4 identify\$4 identificat\$4 identity recognize recognit\$4 detect\$4) WITH (electrical\$4 contact electric\$4 electrode prong data communicat\$4 volt\$4) WITH (therapy attachment head module connection connected attached	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 11:12 PM

L391	1	mode) ("20140142472").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/21 11:16 PM
L392	102	381 AND (determin\$4 identify\$4 identificat\$4 identity recognize recognit\$4 detect\$4) WITH (electrical\$4 contact electric\$4 electrode prong data terminal communicat\$4 volt\$4) WITH (therapy attachment head module connection connected attached mode)	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/22 11:26 AM
L393	24	("20060085056" "20130 282085" "20130289679 " "20130333094" "2017 0325566" "2015003196 4" "20140288622" "201 40207217" "201700566 85").PN.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/22 02:55 PM
L394	106	381 AND (determin\$4 identify\$4 identificat\$4 identity recognize recognit\$4 detect\$4) WITH (electrical\$4 contact electric\$4 electrode prong data terminal communicat\$4 volt\$4 resistor binary resistance) WITH (therapy attachment head module connection connected attached mode)	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/22 03:00 PM
L395	129	381 AND (determin\$4 identify\$4 identificat\$4 identity recognize recognit\$4 detect\$4) WITH (electrical\$4 contact electric\$4 electrode prong data terminal communicat\$4 volt\$4 resistor binary resistance) WITH	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/22 03:00 PM

L396	4	(treatment therapy attachment head module connection connected attached mode) ("20150045702" "20190262607" "20200154874" "20180126160").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/24 01:40 PM
L397	1049	((US-20210244611-A1 OR US-20210244610-A1 OR US- 20200352821-A1 OR US-20200352820-A1 OR US-20210169733-A1 OR US- 20200069510-A1 OR US-20210128399-A1 OR US-20210104318-A1 OR US- 20210059898-A1 OR US-20210022955-A1 OR US-20200405574-A1 OR US- 20200214930-A1 OR US-20200261307-A1 OR US-20200265590-A1 OR US- 20200261310-A1 OR US-20190350793-A1 OR US-20190017528-A1 OR US- 20200005469-A1 OR US-20160135516-A1 OR US-20170076361-A1 OR US- 20180200141-A1 OR US-20190015294-A1 OR US-20170364154-A1 OR US- 20180263845-A1 OR US-20180235031-A1 OR US-20180149437-A1 OR US- 20170297280-A1 OR US-20160367425-A1 OR US-20120117481-A1 OR US- 20030165480-A1 OR US-20040037895-A1 OR US-20020192231-A1 OR US- 20200343746-A1 OR US-20200289365-A1 OR US-20190136889-A1 OR US- 20190209424-A1 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 05:34 PM

		US-20170027798-A1 OR US-20210307998-A1 OR US-20200085675-A1 OR US-20210283005-A1 OR US-20190175434-A1 OR US-20170304145-A1 OR US-20170042754-A1 OR US-20150005682-A1 OR US-20130261516-A1 OR US-20070270727-A1 OR US-20060282025-A1 OR US-20030009116-A1 OR US-20210244609-A1 OR US-20210228437-A1 OR US-20210196563-A1 OR US-20210196562-A1 OR US-20210161759-A1 OR US-20210128402-A1 OR US-20210113427-A1 OR US-20210113421-A1 OR US-20210077340-A1 OR US-20210022951-A1 OR US-20210000683-A1 OR US-20200393026-A1 OR US-20200390644-A1 OR US-20200357046-A1 OR US-20190254921-A1 OR US-20200315904-A1 OR US-20200289364-A1 OR US-20200276079-A1 OR US-20200268594-A1 OR US-20200261306-A1 OR US-20200230012-A1 OR US-20200155410-A1 OR US-20200113322-A1 OR US-20200000678-A1 OR US-20190365598-A1 OR US-20190262222-A1 OR US-20190247271-A1 OR US-20190159961-A1 OR US-20160045081-A1 OR US-20160184175-A1 OR US-20180031090-A1 OR US-20180031089-					
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		A1 OR US- 20170304144-A1 OR US-20140031866-A1 OR US-20170049278- A1 OR US- 20160184177-A1 OR US-20160113840-A1 OR US-20150265825- A1 OR US- 20150174387-A1 OR US-20140188169-A1 OR US-20090236359- A1 OR US- 20100137907-A1 OR US-20030158505-A1 OR US-20050222525- A1 OR US- 20050187498-A1 OR US-20020082532-A1 OR US-20020082536- A1 OR US- 20210259915-A1 OR US-20210186800-A1 OR US-20210177692- A1 OR US- 20200330321-A1 OR US-20140194900-A1 OR US-20210100718- A1 OR US- 20200390645-A1 OR US-20190254922-A1 OR US-20200222263- A1 OR US- 20160213558-A1 OR US-20180050440-A1 OR US-20050131461- A1 OR US- 20050075591-A1 OR US-20200009010-A1 OR US-20190247270- A1 OR US- 20160151238-A1 OR US-20150297393-A1 OR US-20150283026- A1 OR US- 20140276255-A1 OR US-20140194790-A1 OR US-20120253245- A1 OR US- 20180295980-A1 OR US-20170189670-A1 OR US-20160206087- A1 OR US- 20160184173-A1 OR US-20160184162-A1 OR US-20150333609- A1 OR US- 20150182290-A1 OR					
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		US-20110040235-A1 OR US-20090222072-A1 OR US-20090163984-A1 OR US-20070206986-A1 OR US-20040147984-A1 OR US-20040024438-A1 OR US-20200086137-A1 OR US-20150305969-A1 OR US-20140378555-A1 OR US-20130060176-A1 OR US-20110184499-A1 OR US-20110106067-A1 OR US-20110098781-A1 OR US-20100292746-A1 OR US-20100210993-A1 OR US-20100121419-A1 OR US-20100049177-A1 OR US-20090177125-A1 OR US-20060058714-A1 OR US-20080119913-A1 OR US-20060253051-A1 OR US-20050075149-A1 OR US-20120209357-A1 OR US-20120121309-A1 OR US-20110092863-A1 OR US-20110091265-A1 OR US-20090287195-A1 OR US-20090234423-A1 OR US-20090088824-A1 OR US-20090048557-A1 OR US-20080172045-A1 OR US-20080154162-A1 OR US-20080014011-A1 OR US-20160158568-A1 OR US-20150150599-A1 OR US-20150045702-A1 OR US-20140194668-A1 OR US-20140128780-A1 OR US-20130046212-A1 OR US-20130030506-A1 OR US-20110144410-A1 OR US-20110032960-A1 OR US-20100179456-A1 OR US-20100081858-					
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		A1 OR US- 20090270779-A1 OR US-20090005631-A1 OR US-20080214968- A1 OR US- 20070185553-A1 OR US-20070073366-A1 OR US-20070073198- A1 OR US- 20070027411-A1 OR US-20060047330-A1 OR US-20050131497- A1 OR US- 20050070977-A1 OR US-20050045189-A1 OR US-20040260210- A1 OR US- 20040030370-A1 OR US-20210275224-A1 OR US-20210059396- A1 OR US- 20080262394-A1 OR US-20090299236-A1 OR US-20200170879- A1 OR US- 20190209425-A1 OR US-20190142689-A1 OR US-20180185236- A1 OR US- 20170360652-A1 OR US-20170319429-A1 OR US-20170128130- A1 OR US- 20160256348-A1 OR US-20140142472-A1 OR US-20050142093- A1 OR US- 20050107724-A1 OR US-20030004441-A1 OR US-20210145686- A1 OR US- 20210038472-A1 OR US-20200179220-A1 OR US-20200129372- A1 OR US- 20190262607-A1 OR US-20200154874-A1 OR US-20160228184- A1 OR US- 20100274329-A1 OR US-20100137752-A1 OR US-20030163068- A1 OR US- 20190142691-A1 OR US-20180360203-A1 OR US-20180256439- A1 OR US- 20180178032-A1 OR					
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		US-20180140860-A1 OR US-20150283025-A1 OR US-20140088668-A1 OR US-20130131559-A1 OR US-20120265274-A1 OR US-20110060254-A1 OR US-20080275532-A1 OR US-20080018167-A1 OR US-20060235341-A1 OR US-20090270915-A1 OR US-20060293711-A1 OR US-20200237085-A1 OR US-20160192814-A1 OR US-20210045521-A1 OR US-20200411161-A1 OR US-20200405047-A1 OR US-20200352317-A1 OR US-20200323337-A1 OR US-20200237604-A1 OR US-20200187635-A1 OR US-20200170399-A1 OR US-20200093945-A1 OR US-20200093252-A1 OR US-20200085684-A1 OR US-20200038673-A1 OR US-20200038530-A1 OR US-20200037747-A1 OR US-20200037746-A1 OR US-20200000294-A1 OR US-20200000293-A1 OR US-20190298036-A1 OR US-20190126061-A1 OR US-20190029411-A1 OR US-20190014899-A1 OR US-20190008332-A1 OR US-20180361437-A1 OR US-20180288160-A1 OR US-20180279762-A1 OR US-20180193219-A1 OR US-20180015299-A1 OR US-20170367761-A1 OR US-20170367543-A1 OR US-20170238686-A1 OR US-20170188695-					
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		A1 OR US- 20170172837-A1 OR US-20170150851-A1 OR US-20170150810- A1 OR US- 20170135894-A1 OR US-20170119144-A1 OR US-20170071321- A1 OR US- 20170035649-A1 OR US-20160339218-A1 OR US-20160331106- A1 OR US- 20160183743-A1 OR US-20200253811-A1 OR US-20180169682- A1 OR US- 20180168318-A1 OR US-20170049212-A1 OR US-20150327653- A1 OR US- 20130317416-A1 OR US-20120207532-A1 OR US-20120109041- A1 OR US- 20120024308-A1 OR US-20030180690-A1 OR US-20180093106- A1 OR US- 20170056685-A1 OR US-20160339219-A1 OR US-20160331308- A1 OR US- 20150360014-A1 OR US-20150224020-A1 OR US-20150182415- A1 OR US- 20150119771-A1 OR US-20140202493-A1 OR US-20120165710- A1 OR US- 20120037184-A1 OR US-20110009783-A1 OR US-20060211961- A1 OR US- 20040082983-A1 OR US-20160074641-A1 OR US-20160015150- A1 OR US- 20150305487-A1 OR US-20120136289-A1 OR US-20120065556- A1 OR US- 20100274162-A1 OR US-20100145242-A1 OR US-20210138260- A1 OR US- 20200352306-A1 OR					
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		US-20190388707-A1 OR US-20200179713-A1 OR US-20200101312-A1 OR US-20200046999-A1 OR US-20100211136-A1 OR US-20140343574-A1 OR US-20080140164-A1 OR US-20080103563-A1 OR US-20050234383-A1 OR US-20070106347-A1 OR US-20070032843-A1 OR US-20060030908-A1 OR US-20050065579-A1 OR US-20050055070-A1 OR US-20040210277-A1 OR US-20210022565-A1 OR US-20200113390-A1 OR US-20170181925-A1 OR US-20200085015-A1 OR US-20190117503-A1 OR US-20190117497-A1 OR US-20120226268-A1 OR US-20130190845-A1 OR US-20190046812-A1 OR US-20110034837-A1 OR US-20170164876-A1 OR US-20150290076-A1 OR US-20150205279-A1 OR US-20070217199-A1 OR US-20070213698-A1 OR US-20210322257-A1 OR US-20170007498-A1 OR US-20210121360-A1 OR US-20200281805-A1 OR US-20200046602-A1 OR US-20200093410-A1 OR US-20140046127-A1 OR US-20150005679-A1 OR US-20170156974-A1 OR US-20180361137-A1 OR US-20180185238-A1 OR US-20180140813-A1 OR US-20180104144-A1 OR US-20170202732-					
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		A1 OR US- 20170095689-A1 OR US-20170079865-A1 OR US-20170065480- A1 OR US- 20160324717-A1 OR US-20160271009-A1 OR US-20160175185- A1 OR US- 20160045393-A1 OR US-20150045192-A1 OR US-20100331745- A1 OR US- 20090306561-A1 OR US-20060025710-A1 OR US-20030195443- A1 OR US- 20040193079-A1 OR US-20030149381-A1 OR US-20030014079- A1 OR US- 20140194794-A1 OR US-20150320636-A1 OR US-20150313638- A1 OR US- 20080082028-A1 OR US-20070244416-A1 OR US-20060052729- A1 OR US- 20060009719-A1 OR US-20050137504-A1 OR US-20210196557- A1 OR US- 20210195713-A1 OR US-20200215350-A1 OR US-20180242711- A1 OR US- 20180092449-A1 OR US-20160270821-A1 OR US-20160256017- A1 OR US- 20160128461-A1 OR US-20150257521-A1 OR US-20150182078- A1 OR US- 20140309662-A1 OR US-20110041864-A1 OR US-20100222719- A1 OR US- 20080167590-A1 OR US-20080172112-A1 OR US-20080125682- A1 OR US- 20060276731-A1 OR US-20060276730-A1 OR US-20060135319- A1 OR US- 20050278876-A1 OR					
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		US-20050277950-A1 OR US-20120310124-A1 OR US-20220039535-A1 OR US-20210244170-A1 OR US-20050138740-A1 OR US-20180027942-A1 OR US-20160324373-A1 OR US-20150034113-A1 OR US-20140356045-A1 OR US-20110270274-A1 OR US-20040249320-A1 OR US-20210401663-A1 OR US-20140371637-A1 OR US-20200397611-A1 OR US-20200129327-A1 OR US-20200100936-A1 OR US-20200069936-A1 OR US-20200037745-A1 OR US-20190290531-A1 OR US-20190191937-A1 OR US-20190104774-A1 OR US-20190060159-A1 OR US-20190001503-A1 OR US-20180214304-A1 OR US-20180098615-A1 OR US-20170367471-A1 OR US-20170360648-A1 OR US-20170347789-A1 OR US-20170224098-A1 OR US-20170194849-A1 OR US-20170194848-A1 OR US-20170189227-A1 OR US-20170181924-A1 OR US-20170172834-A1 OR US-20170042386-A1 OR US-20160287034-A1 OR US-20160223269-A1 OR US-20160190902-A1 OR US-20160184176-A1 OR US-20160184171-A1 OR US-20160183671-A1 OR US-20160183670-A1 OR US-20160120375-A1 OR US-20160113836-					
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		A1 OR US- 20160074275-A1 OR US-20160037902-A1 OR US-20150359324- A1 OR US- 20150305486-A1 OR US-20150265457-A1 OR US-20150202114- A1 OR US- 20150189980-A1 OR US-20150173998-A1 OR US-20150173996- A1 OR US- 20150173842-A1 OR US-20150165179-A1 OR US-20150164733- A1 OR US- 20150150754-A1 OR US-20150141884-A1 OR US-20150119962- A1 OR US- 20150065927-A1 OR US-20150057579-A1 OR US-20140366288- A1 OR US- 20140330289-A1 OR US-20140305458-A1 OR US-20190167330- A1 OR US- 20190148617-A1 OR US-20180352934-A1 OR US-20150272774- A1 OR US- 20140221880-A1 OR US-20140005759-A1 OR US-20130331914- A1 OR US- 20130281893-A1 OR US-20130197405-A1 OR US-20130085556- A1 OR US- 20120265108-A1 OR US-20120265106-A1 OR US-20120209363- A1 OR US- 20120209154-A1 OR US-20120172771-A1 OR US-20120165708- A1 OR US- 20110202048-A1 OR US-20110200381-A1 OR US-20100087762- A1 OR US- 20100056964-A1 OR US-20030100936-A1 OR US-20090264971- A1 OR US- 20080264464-A1 OR					
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		9032576-B2 OR US-10463531-B2 OR US-8715210-B2 OR US-6312397-B1 OR US-6001070-A OR US-6743215-B2 OR US-8382690-B2 OR US-10278888-B2 OR US-8157753-B2 OR US-6980854-B2 OR US-7204832-B2).did. AND USPT.dbnm.) OR ((US-3494353-A OR US-3169521-A OR US-2078159-A OR US-1660821-A OR US-1657765-A OR US-1545027-A OR US-3536064-A OR US-2512536-A OR US-1955623-A OR US-1352894-A OR US-1339179-A OR US-1772501-A OR US-2183726-A OR US-1228669-A OR US-3467080-A OR US-2490074-A OR US-2424699-A OR US-2441682-A OR US-2548411-A OR US-2995768-A OR US-3154926-A OR US-2985166-A OR US-2809630-A OR US-2477883-A OR US-2472385-A OR US-1380986-A OR US-1955863-A).did. AND USOC.dbnm.) OR ((WO-2022006086-A1 OR WO-2021222573-A1 OR WO-2021050861-A1 OR WO-2021050868-A1 OR WO-2020227569-A1 OR WO-2020167756-A1 OR WO-2020139715-A1 OR WO-2019013972-A1 OR WO-2019014031-A1 OR WO-2018170121-A1 OR WO-2016209759-A1 OR CN-215133032-U OR CN-112932935-A OR DE-102020123082-A1 OR CN-113855514-					
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		A OR KR- 20220062350-A OR KR-20220058677-A OR KR-20220030711-A OR CN-114010485-A OR KR-102325386-B1 OR WO-2021210750-A1 OR WO-2021211238- A1 OR CN-113350154- A OR CN-113274276-A OR KR-20210095422-A OR KR-20210091842-A OR CN-113116702-A OR CN-113081751-A OR CN-213490366-U OR CN-112791308-A OR CN-112773696-A OR CN-112741964-A OR KR-20210047406-A OR KR-20210044358-A OR KR-20210044035-A OR CN-112618960-A OR KR-20210036430-A OR KR-20210000722-U OR CN-112370646-A OR KR-20210018636-A OR KR-20210016729-A OR CN-112315773-A OR KR-20210013392-A OR CN-112245261-A OR CN-216439596-U OR CN-215938255-U OR CN-215779811-U OR CN-214859044-U OR CN-112891186-A OR CN-213157619-U OR CN-210844180-U OR CN-209933448-U OR KR-20210001066-A OR CN-111973428-A OR KR-102178263-B1 OR KR-20200126252-A OR CN-111821150-A OR WO-2020209497- A1 OR KR-102161933- B1 OR KR- 20200100378-A OR WO-2020163738-A1 OR WO-2020159727- A1 OR KR- 20200063823-A OR KR-102118572-B1 OR KR-20200051098-A OR KR-20200050488-A OR CN-111109818-A OR KR-20200040003-A OR EP-3626122-A1 OR WO-2020018713-A1					
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		OR CN-110711134-A OR KR-102067323-B1 OR CN-110478222-A OR WO-2019207469-A1 OR WO-2019203423-A1 OR CN-110339042-A OR CN-110302051-A OR CN-110101563-A OR CN-109998891-A OR WO-2019118561-A1 OR WO-2019097291-A1 OR CN-109620684-A OR CN-109394489-A OR CN-109350862-A OR CN-109223500-A OR CN-108671405-A OR KR-20180113097-A OR KR-20180002806-U OR KR-101891952-B1 OR CN-108543126-A OR CN-108542741-A OR CN-108451704-A OR CN-108451705-A OR KR-20180094694-A OR CN-108392388-A OR WO-2018135671-A1 OR WO-2018126135-A1 OR CN-108175673-A OR WO-2018094540-A1 OR CA-3045164-A1 OR KR-101852410-B1 OR CN-209404585-U OR WO-2014106812-A2).did. AND FTDB.dbnm.) OR ((US-20220133585-A1 OR CN-215133032-U OR US-10993874-B1 OR JP-2020171460-A OR US-20190254922-A1 OR US-20170056145-A1 OR US-5176130-A OR CN-113855514-A OR US-20180325328-A1 OR WO-2013021380-A1 OR US-20070185553-A1 OR EP-1525872-A1 OR US-20140135798-A1 OR US-20180178032-A1 OR US-20210001148-A1 OR US-20210077338-A1 OR US-20210154093-A1 OR CN-110694170-A OR CN-107913174-A					
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		A1 OR US- 20120259255-A1 OR US-20170304145-A1 OR US-20120191023- A1 OR US- 20170340510-A1 OR US-20180369060-A1 OR US-20190282442- A1 OR US- 20160175188-A1 OR US-20180078450-A1 OR US-20200078151- A1 OR US- 20110119843-A1 OR US-20170156974-A1 OR US-20130207575- A1 OR US- 20170049278-A1 OR US-20170156836-A1 OR US-20180250107- A1 OR US- 20180279762-A1 OR US-20180361137-A1 OR US-20190083354- A1 OR US- 20190125067-A1 OR US-20190269488-A1 OR US-20200008570- A1 OR US- 20200113322-A1 OR US-20200232535-A1 OR US-20150190299- A1 OR US- 20130023901-A1 OR US-20150313354-A1 OR US-20070203436- A1 OR US- 20080209648-A1 OR US-20080308118-A1 OR US-20100222719- A1 OR US- 20150164733-A1 OR US-20150173998-A1 OR US-20150189980- A1 OR US- 20120186029-A1 OR US-20150202114-A1 OR US-20140202493- A1 OR US- 20160120375-A1 OR US-20160183671-A1 OR US-20160331106- A1 OR US- 20190117497-A1 OR US-20140194900-A1 OR US-20150182415- A1 OR US- 20200315904-A1 OR					
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		US-20200329841-A1 OR US-20080288007-A1 OR US-20150045702-A1 OR US-20150119769-A1 OR US-20160206087-A1 OR US-20160324373-A1 OR US-20170202731-A1 OR US-20180184794-A1 OR US-20200093945-A1 OR US-20070123808-A1 OR US-20090019651-A1 OR US-20100132139-A1 OR US-20110005015-A1 OR US-20190140533-A1 OR US-20060135891-A1 OR US-20080052844-A1 OR US-20090083919-A1 OR US-20090188528-A1 OR US-20120165710-A1).did. AND PGPB.dbnm.) OR ((US-6228041-B1 OR US-6505361-B1 OR US-6511446-B1 OR US-8398570-B2 OR US-D773064-S OR US-D837994-S OR US-D845630-S OR US-D852972-S OR US-D857221-S OR US-D698455-S OR US-3019785-A OR US-4158246-A OR US-4203431-A OR US-5840048-A OR US-5189751-A OR US-5613259-A OR US-5471695-A OR US-5511270-A).did. AND USPT.dbnm.) OR ((CN-204246039-U OR EP-1429670-A2 OR WO-2015138212-A1).did. AND FPRS.dbnm.)					
L408	0	("2018024711").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/20 02:13 PM
L409	1	("20180242711").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/20 02:15 PM
L410	1	("20100017990").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/20 02:26 PM
L411	4	("11564863"	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24

L412	589	"11331244" "11452670" "11357697").pn. 408/56.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	01:52 PM 2023/03/24 04:26 PM
L413	736	408/67.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:26 PM
L414	1265	412 413	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:26 PM
L415	183	414 AND (seal\$4 flexible rubber silicone ring diaphra\$4) WITH (water waterproof\$4 liquid liquidproof\$4 dust dirt)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:28 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N202	327	(reciprocat\$4 percuss\$4 oscillat\$4).clm. with (electric\$4 light) with (detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 10:58 AM
N203	163	(reciprocat\$4 percuss\$4 oscillat\$4).clm. with (ring) with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 11:01 AM
N204	312	(reciprocat\$4 percuss\$4 oscillat\$4).clm. with (ring diameter) with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 11:05 AM
N205	2	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4).clm. with (ring diameter) with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 12:10 PM
N206	172	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4).clm. with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 12:12 PM
N214	3	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4).clm. with (attachment attachab\$4 detach\$4 removab\$4) with (ring)	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/05 10:08 PM
N215	11	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4 vibrat\$4).clm. with (attachment attachab\$4 detach\$4	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/05 10:08 PM

N216	1	removab\$4) with (ring) (US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/03/05 11:12 PM
N220	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/01 04:46 PM
N233	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/04 01:26 PM
N234	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/04 01:33 PM
N235	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/04 01:55 PM
N253	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/07 01:10 PM
N256	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/09 10:52 AM
N273	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2022/04/09 10:49 PM
N274	93	a61h\$.cpc. AND (reciprocat\$4).clm. AND (magnet\$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:19 PM
N275	103	a61h\$.cpc. AND (reciprocat\$4 percuss\$4).clm. AND (magnet\$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N276	13	a61h\$.cpc. AND (reciprocat\$4 percuss\$4).clm. AND (magnet\$4).clm. AND (sleeve).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N277	356	(reciprocat\$4 percuss\$4 oscillat\$4).clm. with (electric\$4 light) with (detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N278	174	(reciprocat\$4 percuss\$4 oscillat\$4).clm. with (ring) with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N279	328	(reciprocat\$4 percuss\$4 oscillat\$4).clm. with (ring diameter) with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N280	8	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4).clm. with (ring diameter) with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N281	197	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4).clm. with (attachment detach\$4 removab\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM

N282	9	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4).clm. with (attachment attachab\$4 detach\$4 removab\$4) with (ring)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N283	17	a61h\$.cpc. and (reciprocat\$4 percuss\$4 oscillat\$4 vibrat\$4).clm. with (attachment attachab\$4 detach\$4 removab\$4) with (ring)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N284	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N285	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N286	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N287	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N288	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N289	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N290	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N291	1	(US-20210401663-\$).did.	(US-PGPUB)	OR	ON	ON	2023/03/24 04:20 PM
N292	93	a61h\$.cpc. AND (reciprocat\$4).clm. AND (magnet\$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N293	103	a61h\$.cpc. AND (reciprocat\$4 percuss\$4).clm. AND (magnet\$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM
N294	13	a61h\$.cpc. AND (reciprocat\$4 percuss\$4).clm. AND (magnet\$4).clm. AND (sleeve).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 04:20 PM

Bibliographic Data

Application No: 17/705,300

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged:

/CHRISTOPHER E MILLER/

Examiner's Signature

Initials

Title:

VIBRATING THERAPY SYSTEM AND DEVICE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/26/2022	601	3785	5015.0690006
RULE			

APPLICANTS

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Alex Zhu, Xiamen City, CHINA

Richard Tang, Shenzhen, CHINA

CONTINUING DATA

This application is a CIP of 17361966 06/29/2021 PAT 11331244

17361966 has PRO of 63133530 01/04/2021

yes, CEM 3/25/2023

17361966 has PRO of 63065348 08/13/2020

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none, CEM 3/25/2023

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

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Application Number

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Examiner Name

Attorney Docket Number

2022-03-25

Wersland, Jason

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not yet assigned

76840-5199

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	10252051	B2	2019-04-09	Nichols	
	2	10737107	B2	2020-08-11	Ledany	
	3	9272141	B2	2016-03-01	Nichols	
	4	9872813	B2	2018-01-23	Giraud	
	5	10016337	B2	2018-07-10	Roberts	
	6	10278888	B2	2019-05-07	Sabattier	
	7	10511777	B2	2019-12-17	Nichols	
	8	1955863		1934-04-24	Schmidt	

/CHRISTOPHER E MILLER/

06/08/2022

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Attorney Docket Number	76840-5199	

9	10661072	B2	2020-05-26	Kern	
10	6535761	65	2003-03-18	Bernabei	
11	8945104	65	2015-02-03	Boone, III	
12	10137054	65	2018-11-27	Giraud	
13	2183726		1939-12-19	Sommer	
14	10307330	B1	2019-06-04	Sedic	
15	9386837	B2	2016-07-12	Geva	
16	8506506	B2	2013-08-13	Nebrigic	
17	8540702	B2	2013-09-24	Ely	
18	9808646	B2	2017-11-07	Piergallini	
19	10625093	B2	2020-04-21	Shenfarber	

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20	10821299	B1	2020-11-03	Shenfarber	
21	7282036	B2	2007-10-16	Masuda	
22	9084587	B2	2015-07-21	Eckhouse	
23	7532926	B2	2009-05-12	Bernabei	
24	6743215	B2	2004-06-01	Bernabei	
25	8105322	B2	2012-01-31	Ely	
26	7305269	B2	2007-12-04	Cook	
27	6766199	B2	2004-07-20	Cook	
28	8906009	B2	2014-12-09	Nebrigic	
29	9023021	B2	2015-05-05	Behrakis	
30	7376460	B2	2008-05-20	Bernabei	

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31	9042993	B2	2015-05-26	Cook	
32	9585687	B2	2017-03-07	Tenenbaum	
33	10285722	B2	2019-05-14	Favie	
34	8655448	B2	2014-02-18	Cook	
35	8523791	B2	2013-09-03	Castel	
36	9925006	B2	2018-03-27	Behrakis	
37	7083580	B2	2006-08-01	Bernabei	
38	7471979	B2	2008-12-30	Bernabei	
39	7010343	B2	2006-03-07	Bernabei	
40	6980854	B2	2005-12-27	Bernabei	
41	6748266	B2	2004-06-08	Bernabei	

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42	8182473	B2	2012-05-22	Altshuler	
43	5103809		1992-04-14	DeLuca	
44	8382690	B2	2013-02-26	Yoon	
45	4858600		1989-08-22	Gross	
46	9278045	B2	2016-03-08	Scerbo	
47	10881577	B2	2021-01-05	Hashimoto	
48	10695508	B2	2020-06-30	Lorberbaum	
49	10518097	B2	2019-12-31	Grez	
50	10124165	B2	2018-11-13	Gimelli	
51	7204832	B2	2007-04-17	Altshuler	
52	7258675	B2	2007-08-21	Nichols	

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53	8157753	B2	2012-04-17	Nichols	
54	8696605	B2	2014-04-15	Nichols	
55	9272141	B2	2016-03-01	Nichols	
56	9579250	B2	2017-02-28	Nichols	
57	10252051	B2	2019-04-09	Nichols	
58	10376659	B2	2019-04-13	Nichols	
59	10383486	B2	2019-08-20	Nichols	
60	10511777	B2	2019-12-17	Nichols	
61	D693932	S	2013-11-19	Nichols	
62	D736399	S	2015-08-11	Nichols	
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64	D765982	S	2016-09-13	Nichols	
65	D803572	S	2017-11-28	Nichols	
66	7014639	B2	2006-03-21	Walneck	
67	10758452	B2	2020-09-01	Wersland	
68	6524329	B1	2003-02-25	Benedict	
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70	10857064	B2	2020-12-08	Wersland	
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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2	20190262607	A1	2019-08-29	Nichols	
3	20150283025	A1	2015-10-08	Ledany	
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5	20200253811	A1	2020-08-13	Alexander	
6	20170128130	A1	2017-05-11	Giraud	
7	20140135798	A1	2014-05-15	David	
8	20100274162	A1	2010-10-28	Evans	
9	20080014011	A1	2008-01-17	Rossen	
10	20130012851	A1	2013-01-10	Fahmie	
11	20180185236	A1	2018-07-05	Levi	
12	20140323927	A1	2014-10-30	Kim	

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13	20190240110	A1	2019-08-08	Sedic	
14	20080125835	A1	2008-05-29	Laurent	
15	20120109041	A1	2012-05-03	Munz	
16	20100312157	A1	2010-12-09	Yan	
17	20150100002	A1	2015-04-09	Choi	
18	20170049278	A1	2017-02-23	Thomassen	
19	20140288364	A1	2014-09-25	St. Bernard	
20	20110184499	A1	2011-07-28	Radi	
21	20200215351	A1	2020-07-09	Shenfarber	
22	20170072175	A1	2017-03-16	Batiste	
23	20170056685	A1	2017-03-02	Harvey	

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24	20080119913	A1	2008-03-22	Powell	
25	20080103563	A1	2008-05-01	Powell	
26	20080103560	A1	2008-05-01	Powell	
27	20080215123	A1	2008-09-04	Maricle	
28	20070239142	A1	2007-10-11	Altshuler	
29	20070239143	A1	2007-10-11	Altshuler	
30	20070038206	A1	2007-02-15	Altshuler	
31	20070198004	A1	2007-08-23	Altshuler	
32	20070213696	A1	2007-09-13	Altshuler	
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34	20080275532	A1	2008-11-06	Yamazaki	

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35	20200390468	A1	2020-12-17	Alexander	
36	20200113322	A1	2020-04-16	Balestrini	
37	20070179573	A1	2007-08-02	Laurent	
38	20100274329	A1	2010-10-28	Bradley	
39	20090234338	A1	2009-09-17	Roth	
40	20090287195	A1	2009-11-19	Altshuler	
41	20040147984	A1	2004-07-29	Altshuler	
42	20080193493	A1	2008-05-01	Rhoades	
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44	20050043653	A1	2005-02-24	Trimmer	
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Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

46	20100121419	A1	2010-03-13	Douglas	
47	20200038673	A1	2020-02-06	Yildirim	
48	20170238686	A1	2017-08-24	Sanchez Martinez	
49	20180133470	A1	2018-05-17	Park	
50	20190343712	A1	2019-11-14	Cheng	
51	20200288843	A1	2020-09-17	Verheem	
52	20180015299	A1	2018-01-18	Kawa	
53	20210001148	A1	2021-01-07	Verheem	
54	20160324719	A1	2016-11-10	Badmus	
55	20200237085	A1	2020-07-30	Miller	
56	20150045702	A1	2015-02-12	Lin	

**INFORMATION DISCLOSURE
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Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

57	20140336540	A1	2014-11-13	Chen	
58	20200268594	A1	2020-08-27	Pepe	
59	20200237604	A1	2020-07-30	Truong	
60	20150224020	A1	2015-08-13	Flyash	
61	20200129372	A1	2020-04-30	Tseng	
62	20040030325	A1	2004-02-12	Cahir	
63	20140219701	A1	2014-08-07	Eberlein	
64	20170202732	A1	2017-07-20	Nichols	
65	20190262607	A1	2019-08-29	Nichols	
66	20200280680	A1	2020-09-03	Nichols	
67	20210128402	A1	2021-05-06	Dai	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2022-03-25
First Named Inventor	Wersland, Jason	
Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

68	20200179220	A1	2020-06-11	Jablow	
69	20180168318	A1	2018-06-21	Streeter	
70	20180031090	A1	2018-02-01	Wong	
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73	20150297393	A1	2015-10-22	McGushion	
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75	20150119771	A1	2015-04-30	Roberts	
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77	20140128780	A1	2014-05-08	Kennedy	
78	20130046212	A1	2013-02-21	Nichols	

**INFORMATION DISCLOSURE
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First Named Inventor	Wersland, Jason	
Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

79	20110106067	A1	2011-05-05	Geva	
80	20110040235	A1	2011-02-17	Castel	
81	20100274329	A1	2010-10-28	Bradley	
82	20100274162	A1	2010-10-28	Evans	
83	20100137752	A1	2010-06-03	Heine	
84	20100121419	A1	2010-05-13	Douglas	
85	20080103563	A1	2008-05-01	Powell	
86	20070213698	A1	2007-09-13	Altshuler	
87	20120310124	A1	2012-12-06	Zhang	
88	20200352317	A1	2020-11-12	Yeates	
89	20200352306	A1	2020-11-12	Um	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

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Filing Date		2022-03-25
First Named Inventor	Wersland, Jason	
Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

90	20200093945	A1	2020-03-26	Jeong	
91	20190388707	A1	2019-12-26	Shenfarber	
92	20160184162	A1	2016-06-30	Greze	
93	20140371637	A1	2014-12-18	Lee	
94	20130060176	A	2013-03-07	Nichols	
95	20200086137	A1	2020-03-19	Yoo	
96	20140378555	A1	2014-12-25	Hung	
97	20150305969	A1	2015-10-29	Giraud	
98	20190254922	A1	2019-08-22	Marton	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2022-03-25
First Named Inventor	Wersland, Jason	
Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

1	2020163738	WO					
2	2019097291	WO					
3	2020252440	WO					
4	2020028329	WO					
5	2019150887	WO					
6	2020159727	WO					
7	2020154177	WO					
8	2019155210	WO	A2	2019-08-15	Jackson		

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	1	International Search Report and Written Opinion issued in PCT/US21/39586 Date: 2021. /C.E.M/	

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Application Number	
Filing Date	2022-03-25
First Named Inventor	Wersland, Jason
Art Unit	tbd
Examiner Name	not yet assigned
Attorney Docket Number	76840-5199

EXAMINER SIGNATURE

Examiner Signature	/CHRISTOPHER E MILLER/	Date Considered	06/08/2022
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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Application Number		
Filing Date		2022-03-25
First Named Inventor	Wersland, Jason	
Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/brennan c. swain/	Date (YYYY-MM-DD)	2022-03-25
Name/Print	Brennan C. Swain	Registration Number	43175

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

/CHRISTOPHER E MILLER/

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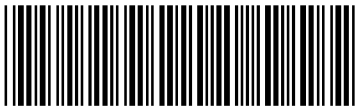
The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

/CHRISTOPHER E MILLER/

06/08/2022

Issue Classification 	Application/Control No. 17/705,300	Applicant(s)/Patent Under Reexamination Wersland et al.	
	Examiner CHRISTOPHER E MILLER	Art Unit 3785	

CPC						
Symbol					Type	Version
A61H	/	23	/	0254	F	2013-01-01
A61H	/	23	/	006	I	2013-01-01
A61H	/	23	/	0218	I	2013-01-01
A61H	/	2201	/	0153	A	2013-01-01
A61H	/	2201	/	1669	A	2013-01-01
A61H	/	2201	/	123	A	2013-01-01
A61H	/	2201	/	0214	A	2013-01-01
A61N	/	1	/	328	A	2013-01-01
A61H	/	2201	/	10	A	2013-01-01
A61H	/	2201	/	1685	A	2013-01-01
A61H	/	2205	/	022	A	2013-01-01
A61F	/	7	/	007	A	2013-01-01
A61N	/	5	/	0616	A	2013-01-01
A61H	/	2201	/	0207	A	2013-01-01
A61F	/	2007	/	0075	A	2013-01-01
A61H	/	2201	/	0107	A	2013-01-01
A61H	/	2201	/	0285	A	2013-01-01
A61N	/	2005	/	0652	A	2013-01-01
A61N	/	2005	/	0659	A	2013-01-01
A61N	/	2005	/	0663	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

/CHRISTOPHER E MILLER/ Examiner, Art Unit 3785 (Assistant Examiner)	24 March 2023 (Date)	Total Claims Allowed: 19	
/JUSTINE R YU/ Supervisory Patent Examiner, Art Unit 3785 (Primary Examiner)	27 March 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 19

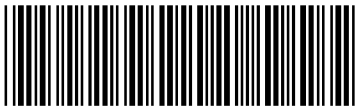
Issue Classification 	Application/Control No. 17/705,300	Applicant(s)/Patent Under Reexamination Wersland et al.
	Examiner CHRISTOPHER E MILLER	Art Unit 3785

INTERNATIONAL CLASSIFICATION			
CLAIMED			
A61H	/	23	/ 00
NON-CLAIMED			
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US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

/CHRISTOPHER E MILLER/ Examiner, Art Unit 3785 (Assistant Examiner)	24 March 2023 (Date)	Total Claims Allowed: 19	
/JUSTINE R YU/ Supervisory Patent Examiner, Art Unit 3785 (Primary Examiner)	27 March 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 19

Issue Classification 	Application/Control No. 17/705,300	Applicant(s)/Patent Under Reexamination Wersland et al.
	Examiner CHRISTOPHER E MILLER	Art Unit 3785

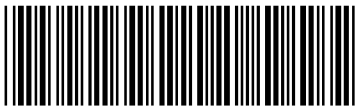
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	7	19										
2	2	-	11	11	20										
3	3	13	12	12	21										
4	4	14	13												
-	5	15	14												
5	6	16	15												
6	7	17	16												
8	8	18	17												
9	9	19	18												

/CHRISTOPHER E MILLER/ Examiner, Art Unit 3785 (Assistant Examiner)	24 March 2023 (Date)	Total Claims Allowed: 19	
/JUSTINE R YU/ Supervisory Patent Examiner, Art Unit 3785 (Primary Examiner)	27 March 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 19

<i>Index of Claims</i> 	Application/Control No. 17/705,300	Applicant(s)/Patent Under Reexamination Wersland et al.
	Examiner CHRISTOPHER E MILLER	Art Unit 3785

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM		DATE								
Final	Original	06/10/2022	10/12/2022	03/24/2023						
1	1	✓	✓	=						
2	2	✓	✓	=						
3	3	✓	✓	=						
4	4	✓	✓	=						
-	5	✓	✓	-						
5	6	✓	✓	=						
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7	19		✓	=						
11	20		✓	=						
12	21		✓	=						

<i>Search Notes</i> 	Application/Control No. 17/705,300	Applicant(s)/Patent Under Reexamination Wersland et al.
	Examiner CHRISTOPHER E MILLER	Art Unit 3785

CPC - Searched*		
Symbol	Date	Examiner
A61H 23/00,006; 7/00; 15/02; 22010/10, 105, 0153; A46B 13/02; 2200/102; A61M 35/003; A61N 2005/0644; 5/0616; A61F 2007/0087	06/07/2022	CEM
Updated above searches	09/21/2022	CEM
Updated above searches	03/20/2023	CEM

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
PE2E Keyword text search	06/04/2022	CEM
Inventor search	06/04/2022	CEM
Reviewed search history and search notes of application 17/361,966	06/04/2022	CEM
Updated above searches	09/21/2022	CEM
Updated above searches	03/20/2023	CEM

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<i>Search Notes</i> 	Application/Control No. 17/705,300	Applicant(s)/Patent Under Reexamination Wersland et al.
	Examiner CHRISTOPHER E MILLER	Art Unit 3785

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	USPAT and US-PGPub databases searched	03/24/2023	CEM

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<i>Notice of References Cited</i>	Application/Control No. 17/705,300		Applicant(s)/Patent Under Reexamination Wersland et al.	
	Examiner CHRISTOPHER E MILLER		Art Unit 3785	Page 1 of 1

U.S. PATENT DOCUMENTS						
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20200187635-A1	06-2020	Akridge; Robert E.	A46B13/023	1/1
*	B	US-5471695-A	12-1995	Aiyar; Sanjay	A46B13/02	601/72
	C					
	D					
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	I					
	J					
	K					
	L					
	M					

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	CPC Classification
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	P				
	Q				
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 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Examiner-Initiated Interview Summary</i>	Application No. 17/705,300	Applicant(s) Wersland et al.		
	Examiner CHRISTOPHER E MILLER	Art Unit 3785	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHRISTOPHER E MILLER	Examiner	Telephonic
Yangbeini Wang	Attorney	

Date of Interview: 24 March 2023

Issues Discussed:

Proposed Amendment(s)

The Examiner called to propose amending the limitations from claim 5 into independent claims 1 and 8. Thus, claim 5 would be cancelled and claim 6 would now depend from claim 1. Additionally, the Examiner proposed amending claim 17 to clarify that the module seat, and thus the first set of magnets, surrounds the push rod assembly.

It was agreed upon that the above amendments would be made by way of an Examiner's Amendment.

/CHRISTOPHER E MILLER/ Examiner, Art Unit 3785	/JUSTINE R YU/ Supervisory Patent Examiner, Art Unit 3785
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.



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186370 7590 04/03/2023
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
(Therabody)
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

MILLER, CHRISTOPHER E

ART UNIT

PAPER NUMBER

3785

DATE MAILED: 04/03/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416

TITLE OF INVENTION: VIBRATING THERAPY SYSTEM AND DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	07/03/2023

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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186370 7590 04/03/2023
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
(Therabody)
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416

TITLE OF INVENTION: VIBRATING THERAPY SYSTEM AND DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	07/03/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
MILLER, CHRISTOPHER E	3785	601-111000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

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☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416
186370	7590	04/03/2023	EXAMINER	
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (Therabody) 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			MILLER, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			3785	

DATE MAILED: 04/03/2023

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b) (2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 17/705,300	Applicant(s) Wersland et al.	
	Examiner CHRISTOPHER E MILLER	Art Unit 3785	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the claims filed February 21, 2023, and the Interview on March 24, 2023.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-4,6-10 and 12-21. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892) 2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>3/26/2022</u> . 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____. 4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. <u>Attached</u> .	5. ☒ Examiner's Amendment/Comment 6. ☒ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
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/CHRISTOPHER E MILLER/ Examiner, Art Unit 3785	/JUSTINE R YU/ Supervisory Patent Examiner, Art Unit 3785
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Notice of Pre-AIA or AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Ms. Yangbeini Wang on March 24, 2023.

The application has been amended as follows:

In the Claims:

Claim 1, the last line, the phrase "attachment member." has been amended to: --
attachment member; and

a flexible sleeve that includes a proximal end and a distal most end,

wherein the flexible sleeve at least partially surrounds the reciprocating shaft, and

wherein the distal most end of the flexible sleeve is secured to the attachment member and the proximal end of the flexible sleeve is secured to the housing.--.

Claim 5 has been cancelled.

Claim 6, line 1, the phrase “device of claim 5” has been amended to: --device of claim 1--.

Claim 8, the last line, the phrase “central opening.” has been amended to: --
central opening; and

a flexible sleeve that includes a proximal end and a distal most end,

wherein the flexible sleeve at least partially surrounds the reciprocating
shaft, and

wherein the distal most end of the flexible sleeve is secured to the
attachment member and the proximal end of the flexible sleeve is secured to the
housing.--.

Claim 17, line 7, the phrase “wherein the push rod” has been amended to --
wherein the module seat surrounds the push rod assembly, and wherein the push rod--.

Reasons for Allowance

3. The following is an examiner’s statement of reasons for allowance: the closest prior art of record Mabuchi (4,513,737) discloses a vibration therapy device (Fig. 1) comprising: a housing (body 1, Fig. 1) that includes a handle portion (handle 2, Fig. 1) and a head portion (space guide 5, Fig. 1); an electrical source (“electric motor” see col. 10, line 36, thus there is an electrical source connected with the motor 20); a motor (motor 20, Fig. 1) positioned in the housing (1); a push rod assembly (motor output shaft 21, rotating disc 17, rod shaft 18, crankshaft 19, rod shaft 3, actuator 4, patter connecting mechanism 12, and coupling 14, Figs. 1-2; see col. 2, lines 43-52) operatively connected (via motor shaft 21 rotating disc 17, Figs. 1-2; see col. 2, lines 43-52) to the motor (20), wherein the push rod assembly comprises: a reciprocating shaft

(coupling 14, Fig. 18) having a distal most end (the distal end of 14 is the end adjacent to flange 15, see Figs. 18-19) and an opening defined at the distal most end (the distal end of coupling 14 has an opening that receives shaft 4, Figs. 18-19); and an attachment member (rod 4, magnet 43, and yoke 45, Figs. 18-19) coupled to the distal most end (see Figs. 18-19, the yoke 45 is attached to the interior of the reciprocating shaft 14, including at the distal end of 14. Additionally shaft 4 is inserted into the opening defined at the distal most end), the attachment member (4, 43, 45) comprising a shaft (4) extending into the opening of the reciprocating shaft (see Figs. 18-19) and a magnet seat (the space that receives magnet 43, Figs. 18-19) having a first magnet (magnet 43, Figs. 18-19) received therein, wherein the reciprocating shaft (14) is configured to reciprocate in response to activation of the motor (20; see Figs. 3-5; see also col. 2, lines 43-52 and Fig. 18), such that the attachment member (4, 43, 45) has a linear velocity (the reciprocation is in a linear direction and has a velocity, see col. 3, lines 38-63); and a reciprocating attachment (flange 15, magnet 44, tube 10, patten body 9, plate member 7, cushion member 8, Figs. 18-19) removably received on the attachment member (via magnets 43, 44, Figs. 18-19), wherein the reciprocating attachment includes a second magnet (magnet 44, Figs. 18-19) that is magnetically attracted to the first magnet (43) to secure the reciprocating attachment on the attachment member (see col. 8, lines 11-15 and Figs. 18-19).

4. Mabuchi (4,088,128) teaches a related reciprocating device (Fig. 1, Fig. 5) with an electrical source (battery device housed in control box 18, Fig. 5; see col. 3, lines 30-32), a switch (switch 19, Fig. 5) for activating the motor ("when the switch 19 is turned on, the motor 15 is energized" see col. 3, lines 30-32) and a velocity selecting knob

(speed adjusting knob 20, labeled as “10” in Fig. 5; see col. 3, lines 37-39; see also col. 8, lines 24-26) to allow the rate of reciprocation/tapping to be freely selected (col. 3, lines 37-39).

5. Additionally, Kang et al. (2016/0192814) teaches a related vibratory device (Fig. 1) that includes a flexible sleeve (first sealing member 52, Fig. 4) that includes a proximal end (upper portion of sealing plate 52a adjacent boss 18, Fig. 7) and a distal end (lower portion of sealing hole 52b, adjacent plate 44, Fig. 7), wherein the flexible sleeve (52) at least partially surrounds a reciprocating shaft (center shaft 34, Fig. 7), wherein the distal end (lower portion of 52b, Fig. 7) of the flexible sleeve (52) is secured to the reciprocating shaft (34, Fig. 7) and the proximal end (upper portion of 52a, Fig. 7) is secured to part of the housing (via support boss 18 attached to case member 14a, Fig. 6).

6. However, it would have required substantial hindsight rationale to modify the Mabuchi reference to additionally include a flexible sleeve at least partially surrounding the reciprocating shaft, and wherein the distal most end of the flexible sleeve is secured to the attachment member and the proximal end of the flexible sleeve is secured to the housing. Therefore, claims 1-4, 6-10, 12-16, and 19-21 have been found allowable since any conclusion of obviousness would be based on improper hindsight rationale, relying on knowledge gleaned solely from Applicant's disclosure.

7. With respect to claims 17-18, the closest prior art Sakai et al. (2008/0234611) discloses a vibration therapy device (Fig. 1) comprising: a housing (main body 2, Fig. 1) that includes a handle portion (upper half of body 2, with switch 19, Fig. 1; enables holding by one hand, see the first sentence of [0029]), a head portion (lower half of body

2, Fig. 1) and a module seat (bottom of frame 8 including plate 9 and cover 11, Fig. 3) defined on the head portion (on the lower-most portion of the body 2, at bottom 2B, see Fig. 3), an electrical source (battery 18, Fig. 1), a motor (motor 13, Fig. 1) positioned in the housing (2, Fig. 1), a switch (switch 19, Fig. 1) for activating the motor (see the last sentence of [0029]), a push rod assembly (reduction gear mechanism 14, crank mechanism 15, connecting rod 16, connection member 17, Fig. 1) operatively connected (via motor shaft 13A connected to reduction gear mechanism 14, Fig. 1) to the motor (13, Fig. 1), wherein the push rod assembly (14, 15, 16, 17, Fig. 1) comprises a reciprocating shaft (connecting rod 16 reciprocates up and down, Fig. 1, see lines 33-37 of [0029]) having a distal end (end of 16 adjacent connection 17, Fig. 1); and an attachment member (connection intermediary member 17, Fig. 1) coupled to the distal end of the reciprocating shaft (17 is coupled to the distal end of shaft 16, see Fig. 1); a cleansing attachment (treating section 3, Fig. 3. This is a “cleansing” attachment because it is part of a hair and scalp washing device, see the first sentence of [0001]) removably received on the attachment member (17; see lines 25-33 of [0029], the hook 17A of member 17 is detachably connected to a hook receiving portion 4B in the upper surface of the central portion of the base portion 4, see Fig. 3), wherein the cleansing attachment (3) includes a central section (the central section of base portion 4 inside ring of protrusions 7, Figs. 3-5), wherein when the attachment member (17) reciprocates (as in Figs. 4-5), the central section flexes (see Figs. 4-5, the central section of flexible base portion 4 flexes from a convex shape in Fig. 4 to a concave shape in Fig. 5; see also lines 9-13 of [0041]).

None of the prior art of record teaches, discloses, or fairly suggests the invention recited in claim 17 as a whole having two distinct sets of magnetic attachment with one on a push rod assembly and the other on the module seat. For example, having a push rod assembly with a module seat surrounding the push rod assembly, wherein the module seat includes a first set of magnets and a cleansing attachment removably received on the attachment member, wherein the cleansing attachment includes a second magnet that is magnetically attracted to the first magnet on the attachment member and the cleansing attachment includes a second set of magnets that are magnetically attracted to the first set of magnets on the module seat to removably secure the cleansing attachment.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Aiyar (5,471,695) discloses a related cleansing brush attachment device with a plurality of magnets providing the attachment. Akridge (2020/0187635) discloses a related skincare device with a brush attachment and a plurality of magnets coupled adjacent the attachment.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER E MILLER whose telephone number is (571)270-1473. The examiner can normally be reached Mon-Fri 10:00-6:30 (eastern).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on 571-272-4835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHRISTOPHER E MILLER/
Examiner, Art Unit 3785

/JUSTINE R YU/
Supervisory Patent Examiner, Art Unit 3785



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416
7590 04/05/2023 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (Therabody) 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER MILLER, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			3785	
			NOTIFICATION DATE	DELIVERY MODE
			04/05/2023	ELECTRONIC

NOTICE REQUIRING INVENTOR'S OATH OR DECLARATION

☒ An inventor's oath or declaration in compliance with 37 CFR 1.63 or substitute statement in compliance with 37 CFR 1.64 executed by or with respect to each inventor has not yet been submitted.

The inventor's oath or declaration or substitute statement dated _____ is defective. The inventor's oath or declaration does not comply with 37 CFR 1.63 or the substitute statement does not comply with 37 CFR 1.64 because it:

- ☐ does not include a statement that the person executing the oath or declaration or substitute statement believes the named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application for which the oath or declaration is being submitted.
- ☐ does not state that the application was made or was authorized to be made by the person executing the oath or declaration or substitute statement.
- ☐ does not acknowledge that any willful false statement made in such oath or declaration or substitute statement is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.
- ☐ does not identify the person executing the oath or declaration or substitute statement by his or her legal name.
- ☐ does not identify the application to which the oath or declaration or substitute statement is directed.
- ☐ Other: _____

The substitute statement dated _____ does not comply with 37 CFR 1.64 because it:

- ☐ does not identify the inventor with respect to whom the statement applies.
- ☐ does not identify the relationship to the non-signing inventor.
- ☐ does not identify the circumstances permitting execution of the statement.
- ☐ was signed by someone other than the applicant.
- ☐ Other: _____

An oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each inventor **MUST** be filed **no later than the date on which the issue fee is paid**. See 35 U.S.C. 115(f). Failure to timely comply will result in ABANDONMENT of this application. This period for reply is not extendable under 37 CFR 1.136(a).

Questions relating to this Notice should be directed to the Application Assistance Unit at 571-272-4200.

(571)-272-4200 or 1(888)-786-0101
Patent Publication Branch
Office of Data Management

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

**Title of
Invention**

VIBRATING THERAPY SYSTEM AND DEVICE

As the below named inventor, I hereby declare that:

This declaration
is directed to

- ☐ The attached application, or
- ☒ United States application or PCT international application number 17/705,300

filed on March 26, 2022.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Jason WERSLAND Date (Optional) : 03 / 20 / 2023

Signature: / Jason Wersland /

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

**Title of
Invention**

VIBRATING THERAPY SYSTEM AND DEVICE

As the below named inventor, I hereby declare that:

This declaration
is directed to

- ☐ The attached application, or
- ☒ United States application or PCT international application number 17/705,300

filed on March 26, 2022.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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LEGAL NAME OF INVENTOR

Inventor: Benjamin NAZARIAN Date (Optional) : 03 / 16 / 2023

Signature: / Benjamin Nazarian /

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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LEGAL NAME OF INVENTOR

Inventor: Jaime SANCHEZ SOLANA Date (Optional) : 03 / 21 / 2023

Signature: / Jaime Sanchez /

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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LEGAL NAME OF INVENTOR

Inventor: Eduardo MERINO Date (Optional) : 03 / 16 / 2023

Signature: / Eduardo Merino/

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LEGAL NAME OF INVENTOR

Inventor: Bill WEBB Date (Optional) : 03 / 21 / 2023

Signature: /William Webb/

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Title of Invention	VIBRATING THERAPY SYSTEM AND DEVICE
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LEGAL NAME OF INVENTOR

Inventor: Alex ZHU Date (Optional) : 03 / 17 / 2023

Signature: / Alex Zhu /

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LEGAL NAME OF INVENTOR

Inventor: Richard TANG Date (Optional) : 03 / 17 / 2023

Signature: /Richard Tang/

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UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/705,300RECEIPT DATE / TIME
04/05/2023 04:12:01 PM ETATTORNEY DOCKET #
5015.0690006

Title of Invention

VIBRATING THERAPY SYSTEM AND DEVICE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 2416

FILED BY Rolonda Lee

PATENT CENTER # 61872013

FILING DATE 03/26/2022

CUSTOMER # 186370

FIRST NAMED
INVENTOR Jason WerslandCORRESPONDENCE
ADDRESS -

AUTHORIZED BY Yangbeini Wang

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2023-04-05-Transmittal-Form-5015-0690006.PDF	1	Transmittal Letter	163 KB
2023-04-05-Declarations-5015-0690006.PDF	7	Oath or Declaration filed	462 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2023-04-05-Transmittal-Form-5015-0690006.PDF	A756A79A44C13CF40D748AE02BCF4D34E302CA9520F76E117 8CFC064CD936256F15BFC69B6B850A73BEEBE73EAFD097B3

A8B6C4F0C023D76B30679257C9202C6

2023-04-05-Declarations-5015-
0690006.PDF9E252BEF2A5DA1BE46697E016489484305B1CD3B791A9B993
BBFD843519490B2FA91A02CDCACEBA385F9E68232069A24B0
CA736D10248BE8F573AE215E4FEBBC

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	17/705,300
Filing Date	03/26/2022
First Named Inventor	Jason WERSLAND
Art Unit	3785
Examiner Name	MILLER, Christopher E.
Attorney Docket Number	5015.0690006

ENCLOSURES (Check all that apply)

- | | | |
|---|---|---|
| ☐ Fee Transmittal Form | ☐ Drawing(s) | ☐ After Allowance Communication to TC |
| ☐ Fee Attached | ☐ Licensing-related Papers | ☐ Appeal Communication to Board of Appeals and Interferences |
| ☐ Amendment/Reply | ☐ Petition | ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| ☐ After Final | ☐ Petition to Convert to a Provisional Application | ☐ Proprietary Information |
| ☐ Affidavits/declaration(s) | ☐ Power of Attorney, Revocation | ☐ Status Letter |
| ☐ Extension of Time Request | ☐ Change of Correspondence Address | ☒ Other Enclosure(s) (please identify below): |
| ☐ Express Abandonment Request | ☐ Terminal Disclaimer | Executed Declarations |
| ☐ Information Disclosure Statement | ☐ Request for Refund | |
| ☐ Certified Copy of Priority Document(s) | ☐ CD, Number of CD(s) _____ | |
| ☐ Reply to Missing Parts/Incomplete Application | ☐ Landscape Table on CD | |
| ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53 | | |

Remarks

The Office may charge any fee deficiency for any submission made with this transmittal to Deposit Account 19-0036.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.		
Signature	/Dohm Chankong/		
Printed name	Dohm Chankong		
Date	April 5, 2023	Reg. No.	70,524

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/705,300

RECEIPT DATE / TIME
06/28/2023 04:15:53 PM ET

ATTORNEY DOCKET #
5015.0690006

Title of Invention

VIBRATING THERAPY SYSTEM AND DEVICE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 2416

FILED BY Rolonda Lee

PATENT CENTER # 62352586

AUTHORIZED BY Yangbeini Wang

CUSTOMER # 186370

FILING DATE 03/26/2022

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Jason Wersland

Payment Information

PAYMENT METHOD
CARD / 1005

PAYMENT TRANSACTION ID
E20236RG19308213

PAYMENT AUTHORIZED BY
Rolonda Lee

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	480.00	1	480.00
TOTAL AMOUNT:				\$480.00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Jason WERSLAND

Applicant: Therabody, Inc.

Application No.: 17/705,300

Filing Date: March 26, 2022

Title: **VIBRATING THERAPY SYSTEM AND DEVICE**

Confirmation No.: 2416

Art Unit: 3785

Examiner: MILLER, Christopher E.

Atty. Docket: 5015.0690006

Assertion of Small Entity Status under 37 C.F.R. § 1.27(c)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

This application is entitled to small entity status and the same is respectfully asserted.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

/Yangbeini Wang #800,005/

Yangbeini Wang
Attorney for Applicant
Registration No. 800,005

Date: June 28, 2023

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

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186370 7590 04/03/2023
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
(Therabody)
1100 NEW YORK AVENUE, N.W.
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416

TITLE OF INVENTION: VIBRATING THERAPY SYSTEM AND DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	~~\$1200~~ \$480	\$0.00	\$0.00	~~\$1200~~ \$480	07/03/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
MILLER, CHRISTOPHER E	3785	601-111000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

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2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 Sterne, Kessler, Goldstein & Fox P.L.L.C.

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Therabody, Inc.

Los Angeles, California

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required)

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5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29☐ Applicant asserting small entity status. See 37 CFR 1.27☐ Applicant changing to regular undiscounted fee status.

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Authorized Signature Yangbeini Wang #800,005/Date June 28, 2023Typed or printed name Yangbeini WangRegistration No. 800,005

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**TRANSMITTAL
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Total Number of Pages in This Submission

Application Number	17/705,300
Filing Date	03/26/2022
First Named Inventor	Jason WERSLAND
Art Unit	3785
Examiner Name	MILLER, Christopher E.
Attorney Docket Number	5015.0690006

ENCLOSURES (Check all that apply)

☒ Fee Transmittal Form	☐ Drawing(s)	☒ After Allowance Communication to TC
☒ Fee Attached	☐ Licensing-related Papers	☐ Appeal Communication to Board of Appeals and Interferences
☒ Amendment/Reply	☐ Petition	☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
☐ After Final	☐ Petition to Convert to a Provisional Application	☐ Proprietary Information
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Firm Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.		
Signature	/Yangbeini Wang #800,005/		
Printed name	Yangbeini Wang		
Date	June 28, 2023	Reg. No.	800,005

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APPLICATION #
17/705,300

RECEIPT DATE / TIME
06/28/2023 04:15:53 PM ET

ATTORNEY DOCKET #
5015.0690006

Title of Invention

VIBRATING THERAPY SYSTEM AND DEVICE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
 under 35 USC 111(a)

PATENT # -

CONFIRMATION # 2416

FILED BY Rolonda Lee

PATENT CENTER # 62352586

FILING DATE 03/26/2022

CUSTOMER # 186370

FIRST NAMED J ason Wersland
INVENTOR

CORRESPONDENCE -
ADDRESS

AUTHORIZED BY Yangbeini Wang

Documents

TOTAL DOCUMENTS: 6

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
2023-06-28-Transmittal-Form-5015-0690006.PDF		1	Transmittal Letter	166 KB
2023-06-28-Issue-Fee-5015-0690006.PDF		1	Issue Fee Payment (PTO-85B)	19 KB
2023-06-28-Amendment-312-5015-0690006.PDF		9	-	115 KB
2023-06-28-Amendment-312-5015-0690006-A.NA.pdf	(1-1)	1	Amendment after Notice of Allowance (Rule 312)	98 KB
2023-06-28-Amendment-	(2-8)	7	Claims	81 KB

312-5015-0690006-CLM.pdf

2023-06-28-Amendment-312-5015-0690006-REM.pdf	(9-9)	1	Applicant Arguments/Remarks Made in an Amendment	70 KB
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2023-06-28-Assertion-Small-Entity-Status-5015-0690006.PDF		1	Assertion of entitlement to small entity status	79 KB
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2023-06-28-Transmittal-Form-5015-0690006.PDF	C75C4FC858E062C2765E823A3D5F2FD80B2163FD4B3B4B7243115A60B8EFA4CE75FD2DFCD1D917A18E30339B9F5535E711B8BD0C3D42739616BF807302BC4D0C
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2023-06-28-Amendment-312-5015-0690006-REM.pdf	1CE4020E900ABFF5001ABF0B55C6515D303B40B30F3A33814F64A4B198CD16861BDB7C5FC78C77F8D2A5221B3A3D11007DF26F67451CCB3A5DB455929F801CAA
2023-06-28-Assertion-Small-	0EE29E3353754FCD1F119B414E8F31598E22F83CD58803A349

Entity-Status-5015-
0690006.PDF

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National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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Remarks

Upon entry of the foregoing amendment, claims 1–4, 6–10, and 12–21 are pending in the application. Claims 1, 8, 13, and 17 are independent claims. Claim 7 is amended. The amendments correct formal matters without changing the scope of the claims. These changes introduce no new matter, and their entry is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

/Yangbeini Wang #800,005/

Yangbeini Wang
Attorney for Applicant
Registration No. 800,005

Date: June 28, 2023

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

20486775.1

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A vibration therapy device, comprising:
 - a housing that includes a handle portion and a head portion;
 - an electrical source;
 - a motor positioned in the housing;
 - a switch for activating the motor;
 - a push rod assembly operatively connected to the motor, wherein the push rod assembly comprises:
 - a reciprocating shaft having a distal most end and an opening defined at the distal most end; and
 - an attachment member coupled to the distal most end of the reciprocating shaft, the attachment member comprising a shaft extending into the opening of the reciprocating shaft and a magnet seat having a first magnet received therein, wherein the reciprocating shaft is configured to reciprocate in response to activation of the motor, such that the attachment member has a linear velocity between 0.06 m/s and 0.5 m/s;
 - a reciprocating attachment removably received on the attachment member, wherein the reciprocating attachment includes a second magnet that is magnetically attracted to the first magnet to secure the reciprocating attachment on the attachment member; and
 - a flexible sleeve that includes a proximal end and a distal most end, wherein the flexible sleeve at least partially surrounds the reciprocating shaft, and wherein the distal most end of the flexible sleeve is secured to the attachment member and the proximal end of the flexible sleeve is secured to the housing.
2. (Previously Presented) The vibration therapy device of claim 1, wherein the reciprocating attachment includes an attachment member recess defined therein,
 - wherein the attachment member is received in the attachment member recess,
 - wherein the attachment member defines an attachment member diameter and the attachment member recess defines an attachment member recess diameter,

wherein the attachment member diameter is smaller than the attachment member recess diameter, and

wherein the first and second magnets secure the reciprocating attachment on the attachment member during reciprocation.

3. (Previously Presented) The vibration therapy device of claim 2, wherein the head portion comprises a module seat,

wherein the vibration therapy device further comprises a ring module removably secured to the module seat,

wherein the ring module includes a central opening that defines a central opening diameter,

wherein the reciprocating attachment defines a reciprocating attachment diameter, and

wherein the central opening diameter is larger than the reciprocating attachment diameter, such that the reciprocating attachment is configured to reciprocate within and relative to the ring module.

4. (Previously Presented) The vibration therapy device of claim 3, wherein the ring module is in electrical communication with the electrical source,

wherein the module seat includes a first electrical connector, and

wherein the ring module includes a second electrical connector in electrical communication with the first electrical connector.

5. (Canceled)

6. (Previously Presented) The vibration therapy device of claim 1, wherein the reciprocating shaft includes an opening in the distal most end thereof,

wherein the attachment member includes a shaft that is received in the opening in the reciprocating shaft, and

wherein the distal most end of the flexible sleeve is secured between the distal most end of the reciprocating shaft and the attachment member.

7. (Currently Amended) The vibration therapy device of claim 1, wherein the reciprocating shaft is configured to reciprocate in response to activation of the motor ~~[[et-]]~~ such that the attachment member has a linear velocity between 0.11 m/s and 0.4 m/s.
8. (Previously Presented) A therapy device, comprising:
 - a housing that includes a handle portion, a head portion, and a module seat defined on the head portion, wherein the module seat includes a first set of magnets, and wherein the module seat includes a first securement protrusion extending therefrom and includes a first securement recess defined therein;
 - an electrical source;
 - a therapy module removably secured to the module seat,
 - wherein the therapy module includes a second set of magnets that are magnetically attracted to the first set of magnets,
 - wherein the therapy module includes a second securement protrusion extending therefrom and includes a second securement recess defined therein,
 - wherein the first securement protrusion is received in the second securement recess,
 - and
 - wherein the second securement protrusion is received in the first securement recess;
 - a motor positioned in the housing;
 - a switch for activating the motor;
 - a push rod assembly operatively connected to the motor, wherein the push rod assembly comprises:
 - a reciprocating shaft having a distal most end and an opening defined at the distal most end; and
 - an attachment member coupled to the distal most end of the reciprocating shaft, the attachment member comprising a shaft extending into the opening of the reciprocating shaft and a magnet seat having a magnet received therein,

wherein the therapy module includes a central opening defined therein, and
wherein the attachment member extends into the central opening; and
a flexible sleeve that includes a proximal end and a distal most end,
wherein the flexible sleeve at least partially surrounds the reciprocating shaft,
and
wherein the distal most end of the flexible sleeve is secured to the attachment
member and the proximal end of the flexible sleeve is secured to the housing.

9. (Previously Presented) The therapy device of claim 8, wherein one of the first securement protrusion and the second securement recess includes female electrical contacts and the other of the first securement protrusion and second securement recess includes male electrical contacts, and wherein connection of the male electrical contacts and female electrical contacts provides electrical communication between the electrical source and the therapy module.
10. (Previously Presented) The therapy device of claim 9, wherein the therapy module provides at least one of cold therapy, heat therapy, LED light therapy, microcurrent therapy, photobiomodulation therapy, radio frequency therapy, cleansing therapy, or ultrasound therapy.
11. (Canceled)
12. (Previously Presented) The therapy device of claim 9, wherein the male electrical contacts include four prongs, and wherein two of the prongs provide electrical communication and two of the prongs provide data communication.
13. (Previously Presented) A vibration therapy device, comprising:
 - a housing that includes a handle portion and a head portion;
 - an electrical source;
 - a motor positioned in the housing;

a switch for activating the motor;
a push rod assembly operatively connected to the motor, wherein the push rod assembly comprises:

a reciprocating shaft having a distal most end and an opening defined at the distal most end; and

an attachment member coupled to the distal most end of the reciprocating shaft, the attachment member comprising a shaft extending into the opening of the reciprocating shaft and a magnet seat having a magnet received therein; and

a flexible sleeve that includes a proximal end and a distal most end, wherein the flexible sleeve at least partially surrounds the reciprocating shaft, wherein the distal most end of the flexible sleeve is secured to the attachment member and the proximal end of the flexible sleeve is secured to the housing.

14. (Previously Presented) The vibration therapy device of claim 13, wherein the reciprocating shaft includes an opening in the distal most end thereof,
wherein the attachment member includes a shaft that is received in the opening in the reciprocating shaft, and
wherein the distal most end of the flexible sleeve is secured between the distal most end of the reciprocating shaft and the attachment member.
15. (Previously Presented) The vibration therapy device of claim 14, wherein the housing includes a protrusive portion, and wherein the proximal end of the flexible sleeve is secured by the protrusive portion.
16. (Previously Presented) The vibration therapy device of claim 15, wherein the flexible sleeve includes an annular ridge extending therefrom that is received in a groove in the housing.
17. (Previously Presented) A vibration therapy device, comprising:
a housing that includes a handle portion, a head portion and a module seat defined on the head portion, wherein the module seat includes a first set of magnets;

an electrical source;
motor positioned in the housing;
a switch for activating the motor;
a push rod assembly operatively connected to the motor, wherein the module seat surrounds the push rod assembly, and wherein the push rod assembly comprises:
a reciprocating shaft having a distal most end and an opening defined at the distal most end; and
an attachment member coupled to the distal most end of the reciprocating shaft, the attachment member comprising a shaft extending into the opening of the reciprocating shaft and a magnet seat having a first magnet received therein; and
a cleansing attachment removably received on the attachment member,
wherein the cleansing attachment includes a second magnet that is magnetically attracted to the first magnet to secure the cleansing attachment on the attachment member,
wherein the cleansing attachment includes a second set of magnets that are magnetically attracted to the first set of magnets to removably secure the cleansing attachment to the module seat,
wherein the cleansing attachment includes a central section, and
wherein when the attachment member reciprocates, the central section flexes.

18. (Previously Presented) The vibration therapy device of claim 17, wherein the module seat includes a first securement protrusion extending therefrom and includes a first securement recess defined therein,
wherein the cleansing attachment includes a second securement protrusion extending therefrom and includes a second securement recess defined therein,
wherein the first securement protrusion is received in the second securement recess,
and
wherein the second securement protrusion is received in the first securement recess.
19. (Previously Presented) The vibration therapy device of claim 1, wherein the head portion comprises a module seat configured to removably receive a therapy module,

wherein the module seat surrounds the attachment member, and
wherein the module seat includes a set of magnets configured to removably secure the therapy module.

20. (Previously Presented) The therapy device of claim 10, wherein the therapy module is configured to provide the cold therapy at a temperature range between about 65 degrees Fahrenheit to about 78 degrees Fahrenheit.
21. (Previously Presented) The therapy device of claim 10, wherein the therapy module is configured to provide the heat therapy at a temperature range between about 95 degrees Fahrenheit to about 109 degrees Fahrenheit.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Jason WERSLAND

Confirmation No.: 2416

Applicant: Therabody, Inc.

Art Unit: 3785

Application No.: 17/705,300

Examiner: MILLER, Christopher E.

Filing Date: March 26, 2022

Atty. Docket: 5015.0690006

Title: **VIBRATING THERAPY SYSTEM AND DEVICE**

Amendment Under 37 C.F.R. § 1.312

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2022-03-25
First Named Inventor	Wersland, Jason	
Art Unit	tbd	
Examiner Name	not yet assigned	
Attorney Docket Number	76840-5199	

Change(s) applied
to document,

/D.H.P./

4/4/2025

1	2020163738	WO		8/2020			
2	2019097291	WO		05/2019			
3	2020252440	WO		12/2020			
4	2020028329	WO		2/2020			
5	2019150887	WO		8/2019			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Jason WERSLAND

Confirmation No.: 2416

Applicant: Therabody, Inc.

Art Unit: 3785

Application No.: 17/705,300

Examiner: MILLER, Christopher E.

Filing Date: March 26, 2022

Atty. Docket: 5015.0690006

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416
186370	7590	07/21/2023	EXAMINER	
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (Therabody) 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			MILLER, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			3785	
			NOTIFICATION DATE	DELIVERY MODE
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	08/22/2023	11730668	5015.0690006	2416

186370 7590 08/02/2023

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
(Therabody)
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Jason Wersland, Los Angeles, CA;
Benjamin Nazarian, Los Angeles, CA;
Jaime Sanchez Solana, Los Angeles, CA;
Eduardo Merino, Los Angeles, CA;
Bill Webb, San Francisco, CA;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Therabody, Inc., Los Angeles, CA

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416
186370	7590	08/22/2023	EXAMINER	
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (Therabody) 1101 K Street, NW 10th Floor WASHINGTON, DC 20005			MILLER, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			3785	
			NOTIFICATION DATE	DELIVERY MODE
			08/22/2023	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

e-office@sternekeessler.com



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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/705,300	22-Aug-2023	11730668

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
(Therabody)
1101 K Street, NW
WASHINGTON, DC 20005

EGRANT NOTIFICATION

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The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit <https://www.uspto.gov/electronicgrants>



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/705,300	03/26/2022	Jason Wersland	5015.0690006	2416
186370	7590	08/25/2023	EXAMINER	
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (Therabody) 1101 K Street, NW 10th Floor WASHINGTON, DC 20005			MILLER, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			3785	
			NOTIFICATION DATE	DELIVERY MODE
			08/25/2023	ELECTRONIC

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Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
17/705,300	03/26/2022	Wersland et al.	5015.0690006

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (Therabody) 1101 K Street, NW 10th Floor WASHINGTON, DC 20005		EXAMINER	
		CHRISTOPHER E MILLER	
		ART UNIT	PAPER
		3785	20230821

DATE MAILED: _____

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The Response to Rule 312 Communication mailed July 21, 2023, mistakenly referred to the amendment filed on "30 June 2023." The correct date of the amendment was "28 June 2023." Thus, the Response to Rule 312 Communication on July 21, 2023 entered the amendment filed on 28 June 2023 as directed to matters of form not affecting the scope of the invention.

/CHRISTOPHER E MILLER/
Examiner, Art Unit 3785

/JUSTINE R YU/
Supervisory Patent Examiner, Art Unit 3785

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/705,300RECEIPT DATE / TIME
05/21/2025 04:31:34 PM Z ETATTORNEY DOCKET #
5015.0690006

Title of Invention

VIBRATING THERAPY SYSTEM AND DEVICE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11730668
CONFIRMATION #	2416	FILED BY	Rolonda Lee
PATENT CENTER #	70529918	FILING DATE	03/26/2022
CUSTOMER #	186370	FIRST NAMED INVENTOR	Jason Wersland
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Yangbeini Wang

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2025-05-21-Transmittal-Form-5015-0690006.pdf	1	Transmittal Letter	168 KB
2025-05-21-Assertion-Small-Entity-Status-5015-0690006.pdf	1	Assertion of entitlement to small entity status	78 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2025-05-21-Transmittal-Form-5015-0690006.pdf	FD9727E8CE8149D0C22A82D7BBE19862E79CC6DA0C33EB4694188AB1AED416C6BF93029112858DF4EC628B2860348410169C666D9FBA29FD2D274E861BF7A259

2025-05-21-Assertion-Small-
Entity-Status-5015-0690006.pdf

CDDACC228A78124A4A90BFF459FEDF1AFB11FFDF549C557A
F466F8B54E1D3C5A099780AC38108885CA31D7E3D8DE5B47
E76C5D4AD26E81C27DEBD599FF192DBB

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	17/705,300
Filing Date	03/26/2022
First Named Inventor	Jason WERSLAND
Art Unit	3785
Examiner Name	MILLER, Christopher E.
Attorney Docket Number	5015.0690006

ENCLOSURES (Check all that apply)

- | | | |
|--|--|---|
| ☐ Fee Transmittal Form
☐ Fee Attached
☐ Amendment/Reply
☐ After Final
☐ Affidavits/declaration(s)
☐ Extension of Time Request
☐ Express Abandonment Request
☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)
☐ Reply to Missing Parts/
Incomplete Application
☐ Reply to Missing Parts
under 37 CFR 1.52 or 1.53 | ☐ Drawing(s)
☐ Licensing-related Papers

☐ Petition
☐ Petition to Convert to a
Provisional Application
☐ Power of Attorney, Revocation
Change of Correspondence Address
☐ Terminal Disclaimer
☐ Request for Refund
☐ CD, Number of CD(s) _____
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☐ Appeal Communication to Board
of Appeals and Interferences
☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Other Enclosure(s) (please identify
below):
Assertion of Small Entity Status under 37
C.F.R. § 1.27(c) |
|--|--|---|

Remarks

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any over payment, to our Deposit Account No. 19-0036.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.		
Signature	/Yangbeini Wang #800,005/		
Printed name	Yangbeini Wang		
Date	May 21, 2025	Reg. No.	800,005

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

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Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent No. 11,730,668

Date of Patent: August 22, 2023

First Named Inventor: Jason WERSLAND

Applicant: Therabody, Inc.

Confirmation No.: 2416

Art Unit: 3785

Atty. Docket: 5015.0690006

Title: **VIBRATING THERAPY SYSTEM AND DEVICE**

Assertion of Small Entity Status under 37 C.F.R. § 1.27(c)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

This patent is entitled to small entity status and the same is respectfully asserted.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

/Yangbeini Wang #800,005/

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Date: May 20, 2025

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