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(81) Designated States (unless otherwise indicated, for every kind of national protection available):

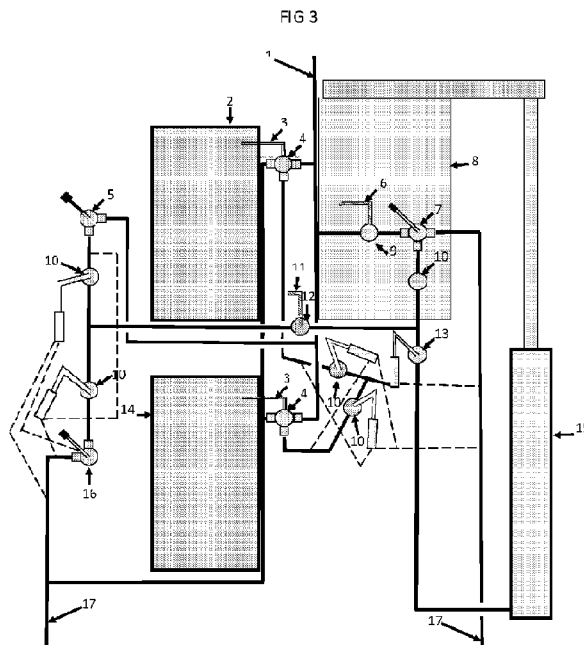
AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: MUNICIPAL WATER POWERED SHABBAT TRANSPORTATION DEVICE



(57) Abstract: The present invention is a device for moving people or items on the Jewish Sabbath and certain Jewish holidays in a manner that is widely acceptable within Jewish Law through powering and controlling this invention with municipal water. The invention includes applying this technology to elevators, escalators, dumbwaiters, conveyors, stair lifts, porch lifts, and more. Within the invention are certain components and groups of components that are unique in their arrangement and purpose.



**Published:**

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**(88) Date of publication of the international search report:**

18 June 2020 (18.06.2020)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 19/61181

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC - B66B 1/32, B66B 1/34, B66B 11/04, B66B 17/12, B66B 9/04, F15B 1/02 (2020.01)  
 CPC - F15B 1/024, B66B 11/04, B66B 9/04, B66B 17/12, Y02B 50/127, Y02B 50/146, Y02B 50/148

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/0177277 A1 (THOMAS, JR.) 10 August 2006 (10.08.2006), entire document	1, 3
A	US 5,007,121 A (MCEATHRON) 16 April 1991 (16.04.1991), entire document	1, 3
A	US 2014/0174860 A1 (YAKUEL et al.) 26 June 2014 (26.06.2014), entire document	1, 3
A	US 2014/0364272 A1 (MA'ALYUTA LTD.) 11 December 2014 (11.12.2014), entire document	1, 3
A	US 2013/0126277 A1 (FRIEDMAN) 23 May 2013 (23.05.2013), entire document	1, 3
A	WO 2015/019357 A1 (YAKUEL et al.) 12 February 2015 (12.02.2015), entire document	1, 3
A	US 2,269,786 A (ROSE) 13 January 1942 (13.01.1942), entire document	1, 3
A	US 2016/0122158 A1 (MA'ALYUTA LTD.) 05 May 2016 (05.05.2016), entire document	1, 3
A	US 5,063,617 A (WARD et al.) 12 November 1991 (12.11.1991), entire document	1, 3
A	US 4,101,005 A (FEWKES) 18 July 1978 (18.07.1978), entire document	1, 3
A	US 2002/0034444 A1 (OSTROWSKI) 21 March 2002 (21.03.2002), entire document	1, 3

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"D" document cited by the applicant in the international application	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"E" earlier application or patent but published on or after the international filing date	"&" document member of the same patent family
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 19 APRIL 2020	Date of mailing of the international search report <b>07 MAY 2020</b>
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-8300	Authorized officer Lee Young Telephone No. PCT Helpdesk: 571-272-4300
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 19/61181

**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:  
 -\* See Extra Sheet -\*

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1, 3

- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
  - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
  - No protest accompanied the payment of additional search fees.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I: Claims 1 and 3, directed to a transportation device comprising a hydraulic driving source; mechanically operated controls and safeties activated non-electrically; and emergency electrical components.

Group II: Claim 2, directed to a transportation device comprising an electrically powered device or combustion powered device; alternate weekday operator control; remote electronic interface or preset timers; and a weekday mode.

The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

#### SPECIAL TECHNICAL FEATURES

The invention of Group I includes the special technical feature of a transportation device comprising a hydraulic driving source; mechanically operated controls and safeties activated non-electrically; and emergency electrical components, not required by the claims of Group II.

The invention of Group II includes the special technical feature of a transportation device comprising an electrically powered device or combustion powered device; alternate weekday operator control; remote electronic interface or preset timers; and a weekday mode, not required by the claims of Group I.

#### COMMON TECHNICAL FEATURES

Groups I-II share the common technical features of a transportation device powered by municipal water (includes steam) system and the pressure contained in the municipal water system, causing controlled or uncontrolled movement of a load to accomplish Sabbath compliance by solving objections to current 'electrically operated Sabbath elevators' and solving similar issues with other transportation devices which can incorporate the same electrical concepts or technology to accomplish Sabbath compliance, comprising connection of municipal water system to a hydraulic circuit to move the load, the hydraulic circuit with or without a municipal water (includes steam) control circuit to activate and allow, not allow, increase, or restrict the flow of municipal water.

However, this shared technical feature does not represent a contribution over prior art as being anticipated by US 2014/0174860 A1 to Yakuel et al. (hereinafter "Yakuel"), which Yakuel discloses a transportation device (Fig.6; para[0032], "an implementation of a hydraulic cylinder-based elevator with a drive system") powered by municipal water (includes steam) system (110, 112, Fig.6; para[0045], "a reservoir 112") and the pressure contained in the municipal water system (110, 112, Fig.6; para[0045], "a pump 110 driving hydraulic fluid (oil) under pressure from a reservoir 112 to a hydraulic cylinder 114 to lift an elevator compartment (not shown)" -- see how water is also used in hydraulic systems), causing controlled or uncontrolled movement of a load (100, Fig.6; para[0042], "an elevator compartment 100") to accomplish Sabbath compliance by solving objections to current 'electrically operated Sabbath elevators' and solving similar issues with other transportation devices which can incorporate the same electrical concepts or technology to accomplish Sabbath compliance (para[0040], "a Sabbath elevator and corresponding drive system and method in which an electric motor is used to store potential energy in a non-electric form, which is then used to drive the elevator"), comprising connection of municipal water system (110, 112, Fig.6) to a hydraulic circuit (114, 122A, 122B, 128, 130, 134, Fig.6) to move the load (100, Fig.6; para[0057], "pressure from accumulator 122a is supplied via valve controller 116 to cylinder 114 to operate the elevator while accumulator 122a is isolated from charging pump 126. At the same time, charging pump is connected to accumulator 122b so as to charge it with pressurized hydraulic liquid ready for the next stage of operation"), the hydraulic circuit (114, 122A, 122B, 128, 130, 134, Fig.6) with or without a municipal water (includes steam) control circuit (130, Fig.6) to activate and allow, not allow, increase, or restrict the flow of municipal water (para[0057], "a set of hydraulic flow valves 128 and 130 by suitable control circuitry (not shown) to switch between different states of operation").

As the common technical features were known in the art at the time of the invention, these cannot be considered special technical feature that would otherwise unify the groups.

Therefore, Groups I-II lack unity under PCT Rule 13 because they do not share a same or corresponding special technical feature.

#### Note:

DEPENDENT CLAIM: Regarding the claim labeled "DEPENDENT CLAIM," the label of "DEPENDENT CLAIM" is confusing and lacks clarity. For purposes of this invention the "DEPENDENT CLAIM" is referred to as "Claim 3."