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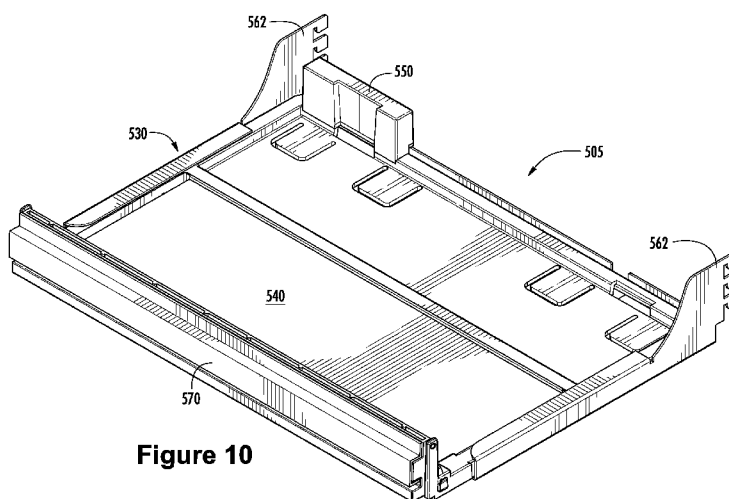


Figure 10

(57) Abstract: A merchandise display system may include a low voltage power assembly may comprise a track that includes one or more conductive rods and one or more mechanical connections, wherein the track is powered from a power source; and a power connector assembly that connects to the track, wherein the one or more conductive rods connect to the power assembly providing a power connection, and further wherein the one or more mechanical connections connect to the power assembly providing a mechanical connection. The power connector assembly may be configured to provide low voltage power through the track to a low voltage power device. The power assembly may include a configuration of mechanical connections and conductive material arranged in such a way as to provide power and/or signal distribution to a mating device, such as to a set of LED modules, other lighting sources, or powered track devices for use with a merchandise display system.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2015/026208

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47F11/10
ADD.

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)
A47F A47B F21V H01R

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

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

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 2007 0106298 A (YANG KYUNG HO [KR]) 1 November 2007 (2007-11-01)	1-4,8
Y	figures 1-11	3,5-7
Y	----- US 3 622 938 A1 (MATSUSHITA DENKO KABUSHIKI KAISHA OSAKA) 23 November 1971 (1971-11-23) column 1, line 24 - column 3, line 60; figures 1-6	3,6,7
X	----- DE 20 2010 003919 U1 (HALFMANN MORITZ [DE]) 29 July 2010 (2010-07-29) paragraph [0004] - paragraph [0033]; figures 1-9	1,8
	----- -/-	



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"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

"&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2015/026208

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 additional 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 an 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.:

1-8

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8

A) claims 1-8, a merchandise display system comprising:

- a track.
- a tray including a power connector assembly.

2. claims: 9-15

B) claims 9-15, table assembly comprising:

- a track including conductive rods.
- a tray including a power connector and a printed circuit board.

3. claims: 16-20

C) claims 16-20, a merchandise display system comprising:

- a track including a housing and conductive rods.
- a tray including a power connector assembly.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2015/026208

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/38610 A1 (POWERWALL INC [US]; SLESINGER BRUCE M [US]; COLLOM THOMAS L [US]; NEID) 23 October 1997 (1997-10-23) page 3, line 24 - page 13, line 27; figures 1-13 -----	5-7
X	US 2011/273867 A1 (HORST SHELDON L [US] ET AL) 10 November 2011 (2011-11-10) paragraph [0013] - paragraph [0052]; figures 1-6 -----	1,8
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2015/026208

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