US00D751976S

(12) United States Design Patent

Mackler et al.

(10) Patent No.: US D751,976 S
(45) Date of Patent: ** Mar. 22, 2016

(54) **SOLAR POWER GENERATION ASSEMBLY**

(71) Applicants: **Laurence Mackler**, Larchmont, NY (US); **Brian Cuff**, Irvington, NY (US); **Hikaru Iwasaka**, New York, NY (US); **David Froelich**, New York, NY (US)

(72) Inventors: **Laurence Mackler**, Larchmont, NY (US); **Brian Cuff**, Irvington, NY (US); **Hikaru Iwasaka**, New York, NY (US); **David Froelich**, New York, NY (US)

(73) Assignee: **SunPower Corporation**, San Jose, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/462,501**

(22) Filed: **Aug. 5, 2013**

(51) **LOC (10) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/102**

(58) **Field of Classification Search**
USPC D13/102, 101, 118, 119, 184, 199; 52/173.3; 126/569, 600, 669, 704; 136/243–265; 359/850, 851, 852; 385/144, 900
CPC H01L 31/04; H01L 31/18; H01L 31/026; H01L 31/042; H01L 31/048; H01L 31/052; H01L 31/0216; E04H 12/20; F24J 2/38; F24J 2/52
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,132,074	A		1/1979	Wendel
4,149,523	A		4/1979	Boy-Marcotte et al.
4,215,501	A		8/1980	Meijer
4,245,895	A		1/1981	Wildenrotter
4,281,369	A		7/1981	Batte
4,316,448	A	*	2/1982	Dodge 126/600
4,319,310	A		3/1982	Kingsley
4,384,317	A		5/1983	Stackpole
4,429,178	A		1/1984	Prideaux et al.
4,432,341	A		2/1984	Howe et al.
4,453,327	A		6/1984	Clarke
4,484,104	A		11/1984	O'Brien
4,611,090	A		9/1986	Catella et al.
4,636,577	A		1/1987	Peterpaul
4,649,899	A		3/1987	Moore
4,668,120	A		5/1987	Roberts
4,742,291	A		5/1988	Bobier et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CH	677415	5/1991
WO	97-36132	10/1997

OTHER PUBLICATIONS

International Preliminary Report on Patentability, International Application No. PCT/US2009/049625, dated Jan. 5, 2011.

(Continued)

Primary Examiner — Derrick Holland
(74) *Attorney, Agent, or Firm* — Byrne Poh LLP

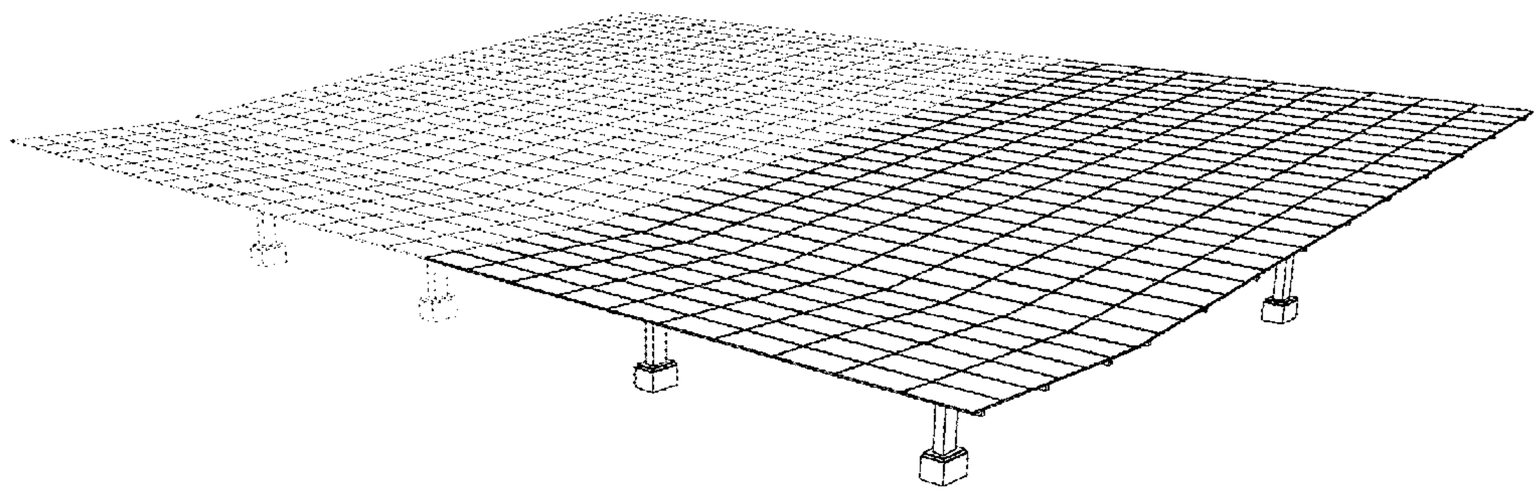
(57) **CLAIM**

We claim the ornamental design for a solar power generation assembly, as shown and described.

DESCRIPTION

FIG. **1** is a bottom and left perspective view of a first embodiment of a solar power generation assembly showing our new design;
FIG. **2** is a left side perspective view thereof;
FIG. **3** is a top perspective view thereof;
FIG. **4** is a left side elevational view thereof;
FIG. **5** is a left side elevational view of a second embodiment of a solar power generation assembly shown in FIG. **1**;
FIG. **6** is a left side elevational view of a third embodiment of a solar power generation assembly shown in FIG. **1**; and,
FIG. **7** is a front elevation view of the solar power generation assembly shown in FIG. **1**.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

4,827,645	A	5/1989	Stamps, Jr.	
4,832,001	A	5/1989	Baer	
4,835,918	A	6/1989	Dippel	
4,841,278	A	6/1989	Tezuka et al.	
4,867,133	A	9/1989	Sadler	
4,966,631	A	10/1990	Matlin et al.	
4,989,124	A	1/1991	Shappell	
5,228,924	A	7/1993	Barker et al.	
D353,129	S	12/1994	Ricaud et al.	
5,612,741	A	3/1997	Loban et al.	
5,807,440	A	9/1998	Kubota et al.	
D408,554	S	4/1999	Dinwoodie	
5,900,850	A	5/1999	Bailey et al.	
6,046,401	A	4/2000	McCabe	
6,049,035	A	4/2000	Tsuri et al.	
6,052,931	A	4/2000	Werner	
D425,013	S	5/2000	Lai	
6,111,189	A	8/2000	Garvison	
6,260,319	B1	7/2001	Colomban	
6,263,601	B1	7/2001	Emert	
D452,328	S	12/2001	O'Brien	
D456,085	S	4/2002	O'Brien	
6,396,239	B1	5/2002	Benn et al.	
6,455,767	B1	9/2002	Muller	
6,495,750	B1	12/2002	Dinwoodie	
6,518,493	B1	2/2003	Murakami et al.	
6,572,173	B2	6/2003	Muller	
6,631,591	B1	10/2003	Durham	
6,672,018	B2 *	1/2004	Shingleton	52/173.3
6,722,357	B2 *	4/2004	Shingleton	126/600
6,784,357	B1	8/2004	Wang	
D505,113	S	5/2005	Lam	
6,930,237	B2	8/2005	Mattiuzzo	
D511,576	S	11/2005	Shingleton et al.	
D535,584	S	1/2007	Garrett	
7,227,078	B2	6/2007	Jongerden et al.	
7,237,360	B2	7/2007	Moncho et al.	
D564,443	S	3/2008	Moore	
D565,505	S	4/2008	Shugar et al.	
D571,716	S	6/2008	Anderson	
D584,223	S	1/2009	Cooper	
7,501,713	B2	3/2009	Fein et al.	
7,509,762	B2	3/2009	Ajumobi	
D611,404	S	3/2010	Mackler	
D611,405	S	3/2010	Mackler	
D631,004	S *	1/2011	Johnson	D13/102
8,104,203	B2	1/2012	Mackler	
D657,735	S	4/2012	Mackler	
D657,736	S	4/2012	Mackler	
D657,737	S	4/2012	Mackler	
D668,215	S *	10/2012	Lerner et al.	D13/102
2004/0065025	A1	4/2004	Durham	
2005/0035244	A1	2/2005	Conger	
2005/0045224	A1	3/2005	Lyden	
2005/0109384	A1	5/2005	Shingleton et al.	
2005/0241246	A1	11/2005	Sinha et al.	
2006/0011194	A1	1/2006	Hensley et al.	
2006/0090858	A1	5/2006	Heidenreich	
2006/0101683	A1	5/2006	Baker	
2006/0207192	A1	9/2006	Durham	
2006/0225776	A1	10/2006	Nemazi et al.	
2007/0212935	A1	9/2007	Lenox	
2008/0216418	A1	9/2008	Durham	
2008/0308091	A1	12/2008	Corio	
2009/0050194	A1	2/2009	Noble et al.	
2012/0204927	A1 *	8/2012	Peterson et al.	136/244

OTHER PUBLICATIONS

International Search Report, International Application No. PCT/US2009/049625, dated Oct. 26, 2009.

International Preliminary Report on Patentability, International Application No. PCT/US2009/049595, dated Jan. 5, 2011.

International Search Report, International Application No. PCT/US2009/049595, dated Aug. 27, 2009.

* cited by examiner

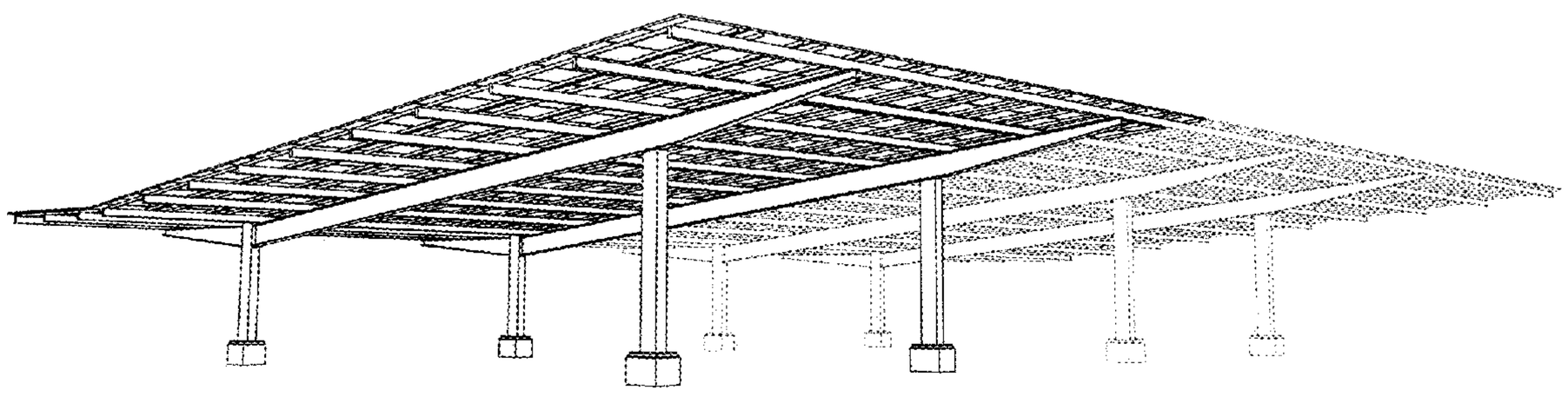


Figure 1

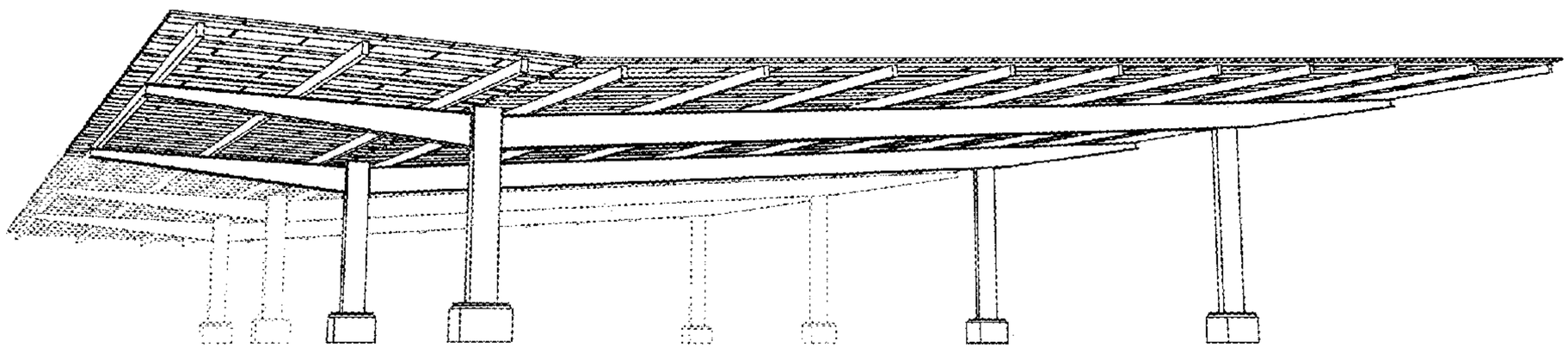


Figure 2

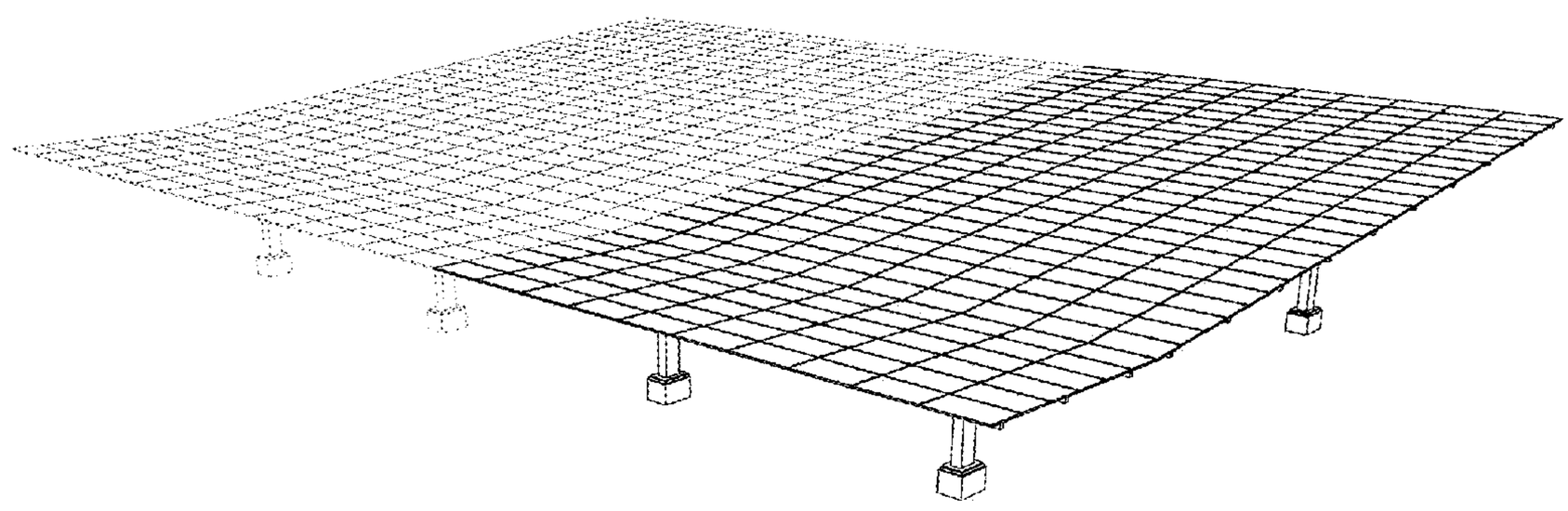


Figure 3

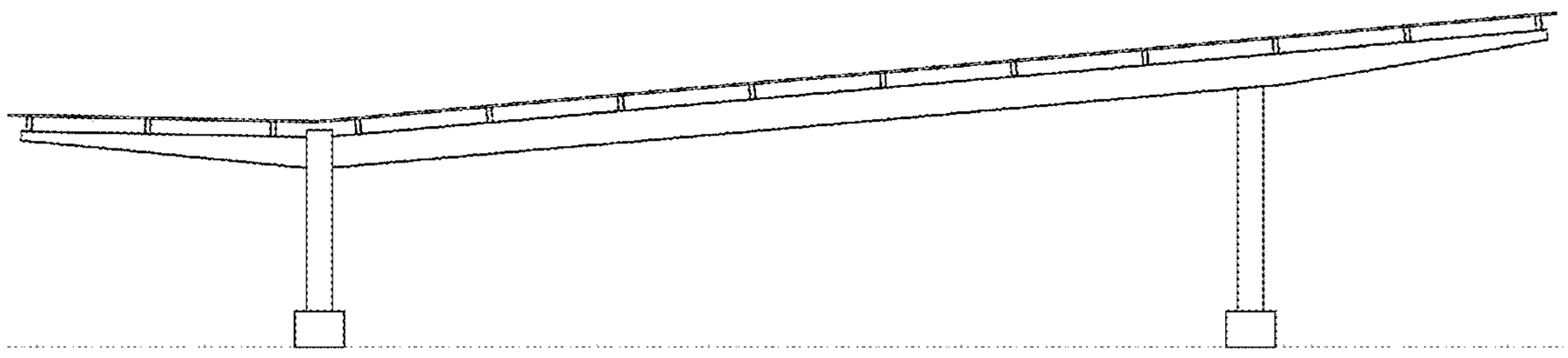


Figure 4

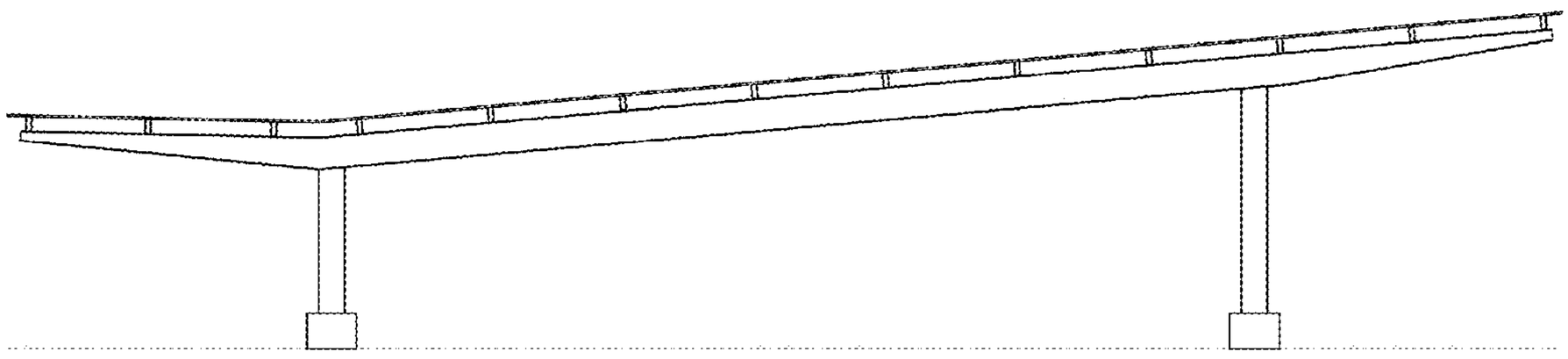


Figure 5

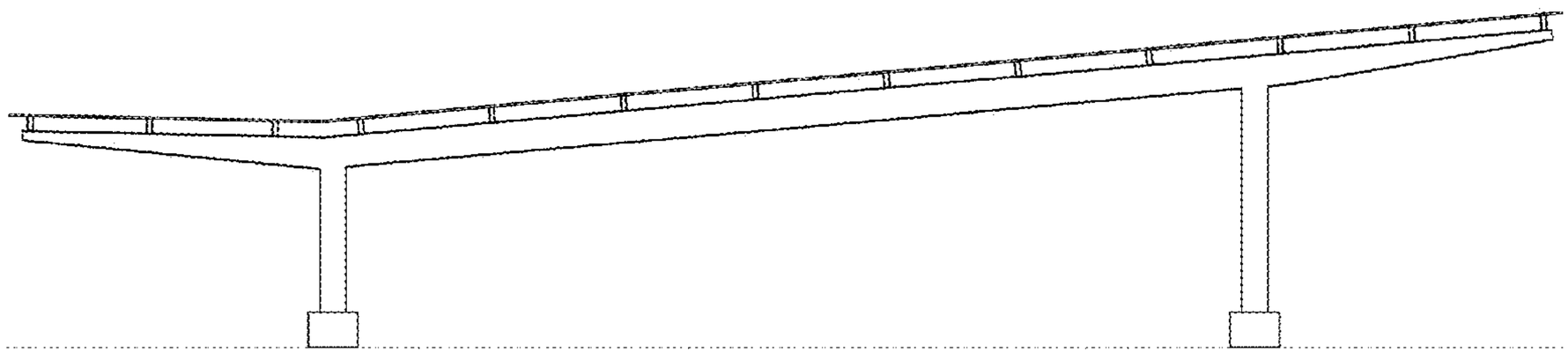


Figure 6

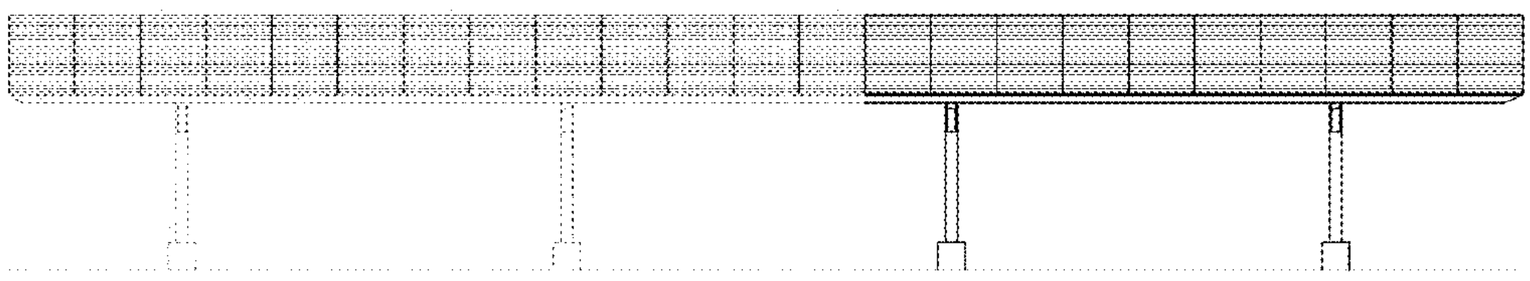


Figure 7