



US00D809149S

(12) **United States Design Patent** (10) **Patent No.:** **US D809,149 S**
Tsuzuranuki et al. (45) **Date of Patent:** **** Jan. 30, 2018**

(54) **KNEE JOINT SUPPORTER**(56) **References Cited**

(71) Applicants: **KOWA COMPANY, LTD.**, Aichi (JP);
ADVANCING INC., Osaka (JP);
DMCHAIN COOPERATIVE,
Ishikawa (JP)

U.S. PATENT DOCUMENTS

D334,827	S	*	4/1993	Brown	.....	D24/190
5,267,951	A	*	12/1993	Ishii	.....	A61F 13/061 602/14
D360,263	S	*	7/1995	Holland	.....	D24/190
D374,547	S	*	10/1996	McDonald	.....	D24/190
D389,582	S	*	1/1998	Bodenschatz	.....	D24/190
D404,819	S	*	1/1999	Rodgers	.....	D24/190
D405,180	S	*	2/1999	Reina	.....	D24/190
D439,342	S	*	3/2001	Seip, Jr.	.....	D24/190
D503,806	S	*	4/2005	Williams	.....	D24/190
D619,267	S	*	7/2010	Beckwith	.....	D24/190
D626,243	S	*	10/2010	Sagnip	.....	D24/190
D634,437	S	*	3/2011	Gramza	.....	D24/190

(Continued)

Primary Examiner — Rhea Shields(74) *Attorney, Agent, or Firm* — Michael Best & Friedrich LLP(**) **Term:** **15 Years**(21) **Appl. No.:** **35/501,089**(22) **Filed:** **Dec. 16, 2015**(57) **CLAIM**

The ornamental design for a knee joint supporter, as shown and described.

(80) **Hague Agreement Data**Int. Filing Date: **Dec. 16, 2015**Int. Reg. No.: **DM/090016**Int. Reg. Date: **Dec. 16, 2015**Int. Reg. Pub. Date: **Jun. 17, 2016****DESCRIPTION**

1. Knee joint supporter

1.1 is a front view;**1.2** is a back view;**1.3** is a left view;**1.4** is a right view;**1.5** is a top view;**1.6** is a bottom view;**1.7** is a perspective view;**1.8** is a front view shown in an environment; and**1.9** is another front view shown in an environment.

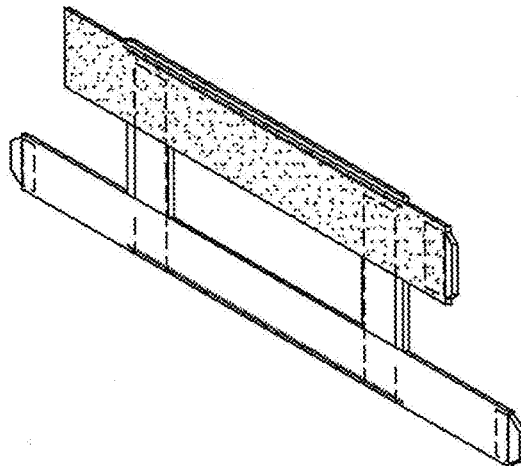
In the reproductions, the stippling feature indicates a contrast in appearance. In **1.1** through **1.7** the broken lines are for the purpose of illustrating a stitching feature and form a part of the claimed design. In **1.8** through **1.9** the broken lines are for the purpose of illustrating environment only and form no part of the claimed design.

(30) **Foreign Application Priority Data**

Jun. 26, 2015 (JP) 2015-014230

(51) **LOC (11) Cl.** **24-00**(52) **U.S. Cl.**
USPC **D24/190**(58) **Field of Classification Search**USPC D24/190, 231, 189; D14/411; 602/19,
602/14

See application file for complete search history.

1 Claim, 9 Drawing Sheets

(56)

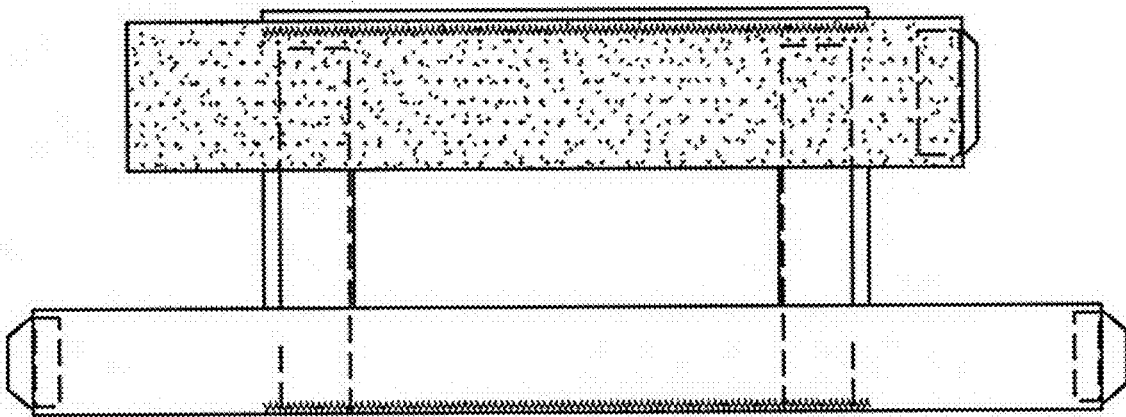
References Cited

U.S. PATENT DOCUMENTS

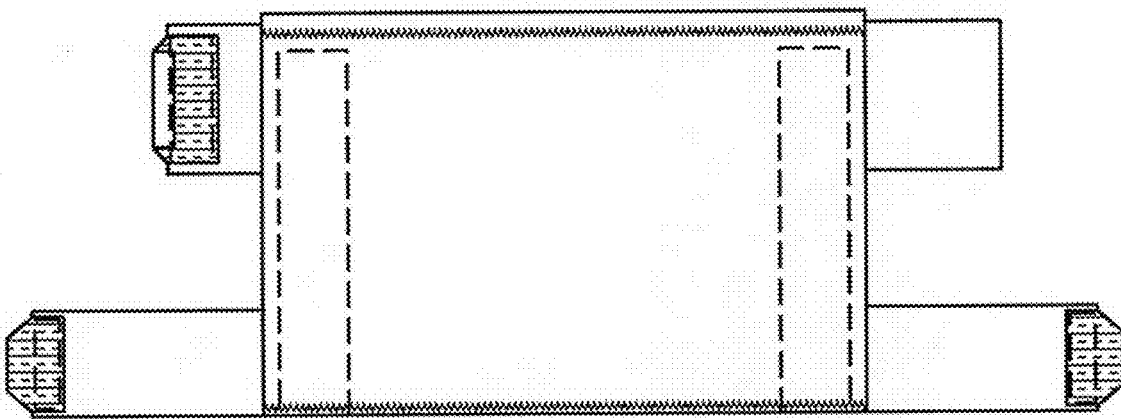
D658,300	S	*	4/2012	Rhijn	.....	D24/190
D685,484	S	*	7/2013	Brambilla	.....	D24/190
D687,154	S	*	7/2013	Chen	.....	D24/190
D710,018	S	*	7/2014	Forbes	.....	D24/190
D716,956	S	*	11/2014	Ortega	.....	D24/190
D733,895	S	*	7/2015	Wratten	.....	D24/190
D746,997	S	*	1/2016	Higgins	.....	D24/190
D750,262	S	*	2/2016	Kusmirek	.....	D24/190
D750,790	S	*	3/2016	Ortega	.....	D24/190
D751,720	S	*	3/2016	Williams	.....	D24/190
D758,598	S	*	6/2016	Forbes	.....	D24/190
D769,451	S	*	10/2016	MacMillan	.....	D24/190
D779,075	S	*	2/2017	Fried	.....	D24/190
D787,518	S	*	5/2017	Tudisco	.....	D14/411
2013/0116609	A1	*	5/2013	Matsuo	.....	A41D 13/0531
						602/19
2014/0288474	A1	*	9/2014	Okada	.....	A61F 5/024
						602/19
2017/0065449	A1	*	3/2017	Tsuchiya	.....	A61F 5/0118
2017/0071773	A1	*	3/2017	Tsuchiya	.....	A61F 5/0106
2017/0079847	A1	*	3/2017	Tsuchiya	.....	A61F 13/065
2017/0135842	A1	*	5/2017	Tsuchiya	.....	A61F 5/028

* cited by examiner

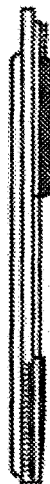
1.1



1.2



1.3



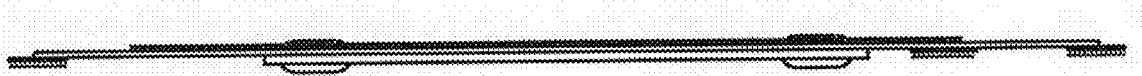
1.4



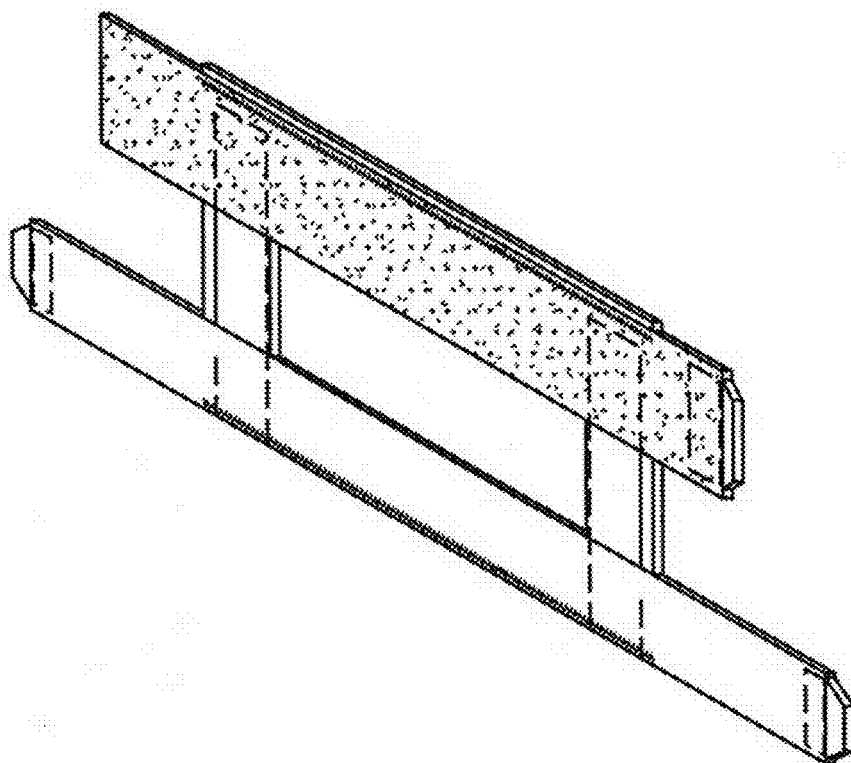
1.5



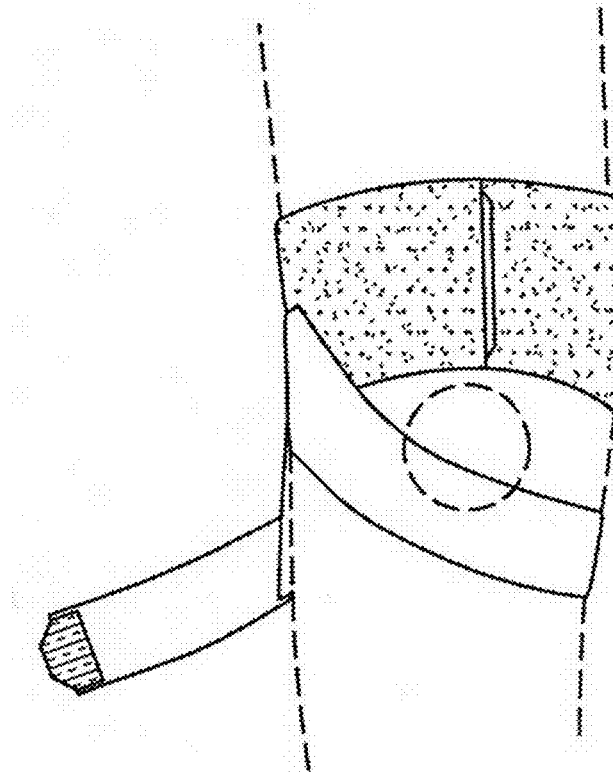
1.6



1.7



1.8



1.9

