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Takashima et al.

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(54)	PLUG	OF PIPE	JOINT
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(71) Applicant: NIDEC CORPORATION, Kyoto (JP)

(72) Inventors: Naoyuki Takashima, Kyoto (JP);

Takehito Tamaoka, Kyoto (JP); Toshihiko Tokeshi, Kyoto (JP)

(73) Assignee: **NIDEC CORPORATION**, Kyoto (JP)

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(51)	LOC (15)	Cl. .	 		23-01
(52)	U.S. Cl.				

(58) Field of Classification Search

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USPC **D23/262**

CPC .. F16B 35/00; F16B 37/14; F16B 9/02; F16B 7/00; A61M 16/0816; A61M 16/0833; A61M 16/0875; A61M 39/00; A61M 16/208; A61M 39/165; F16L 15/00; F16L 15/06; F16L 15/001; F16L 15/006; F16L 23/125; F16L 23/12; F16L 23/162; F16L 25/0036; F16L 25/0045; F16L 25/0063; F16L 25/0072; F16L 25/009; F16L 25/14; F16L 31/02; F16L 31/00; F16L 33/02; F16L 33/23; F16L 33/24; F16L 33/28; F16L 33/26; F16L 37/008; F16L 39/005; F16L 33/26; F16L 37/008; F16L 39/005; F16L

39/02; F16L 39/00; F16L 47/16; F16L 47/32; F16L 49/06; F16L 55/07; F16L

2201/00

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D313,067	\mathbf{S}	*	12/1990	Kotake D23/262
D419,860	S	*	2/2000	Persson D8/382
D468,015	S	*	12/2002	Horppu D24/129
D470,818	S	*	2/2003	Cheng D13/133
D566,653	S	*	4/2008	Sakamoto D13/133
D567,180	S	*	4/2008	Sakamoto D13/133
D602,128	S	*	10/2009	Williams D23/262
D733,842	S	*	7/2015	Allred D23/259
9,157,560	B2	*	10/2015	Rehder F16L 37/32
D830,524	S	*	10/2018	Vranish D23/262
D896,930	\mathbf{S}	*	9/2020	Vranish D23/262
(Continued)				

Primary Examiner — Dana K Weiland Assistant Examiner — Kathryn Elizabeth Zieno (74) Attorney, Agent, or Firm — JCIPRNET

(57) **CLAIM**

The ornamental design for a plug of pipe joint as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a plug of pipe joint showing our new design;

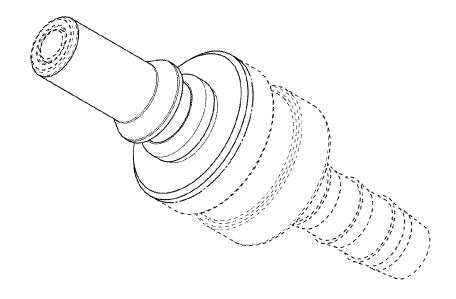
FIG. 2 is a front view thereof, the rear view being a mirror image of the front view, the top view and the bottom view being identical to the front view;

FIG. 3 is a left side view thereof; and,

FIG. 4 is a right side view thereof.

The dash broken lines illustrate portions of the plug of pipe joint that form no part of the claimed design. The dot-dash broken lines illustrate the boundary of the claimed design and form no part thereof.

1 Claim, 2 Drawing Sheets



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(56) References Cited

U.S. PATENT DOCUMENTS

D898,878	S	*	10/2020	Sprenger D13/133
D912,245	\mathbf{S}	*	3/2021	Grudo A61B 1/00068
				D24/129
D930,123	\mathbf{S}	*	9/2021	Garcia Blanco D23/262
D948,441	\mathbf{S}	*	4/2022	Takano D13/133
D1,010,073	\mathbf{S}	*	1/2024	Knecht D23/262
D1,014,710	\mathbf{S}	*	2/2024	Knecht D23/262
D1,016,251	\mathbf{S}	*	2/2024	Castriotta D23/262
D1,021,001	S	*	4/2024	Makowski D23/233
D1,021,016	\mathbf{S}	*	4/2024	Castriotta D23/262
11,964,245	B2	*	4/2024	Pierce B01F 35/602
D1,029,246	\mathbf{S}	*	5/2024	Fangrow A61M 39/26
				D24/129
D1,030,050	\mathbf{S}	*	6/2024	Doubet A61M 5/3134
				D24/129
D1,033,362	\mathbf{S}	*	7/2024	Baldus-Kunze D13/133
D1,034,468	\mathbf{S}	*	7/2024	Jarial D13/133
D1,035,585	\mathbf{S}	*	7/2024	Xu D13/133
D1,043,924	S	*	9/2024	Sprenger D23/260
D1,049,320	S	*	10/2024	Larsen D23/262
D1,050,443	\mathbf{S}	*	11/2024	Kondo D23/209
12,180,790	В1	*	12/2024	Domann F16L 37/56
D1,059,555	\mathbf{S}	*	1/2025	Griggs D23/262
12,215,810	B2		2/2025	Gerst F16L 37/26
D1,065,091	S	¥.	3/2025	Somanath D13/133
2014/0121607	A1	*	5/2014	Chang A61M 16/0833
				604/246
2018/0347734	A1		12/2018	Barata F16L 25/0045
2024/0151332	A1		5/2024	Goodrich H01M 10/6568
2024/0229995	A1		7/2024	Xu F16L 9/006
2024/0304892	Al		9/2024	Zhou H01M 10/6568
2024/0360927	Al		10/2024	Iida F16L 23/04
2024/0401891	A1	*	12/2024	Hatanaka F28F 9/0253

^{*} cited by examiner

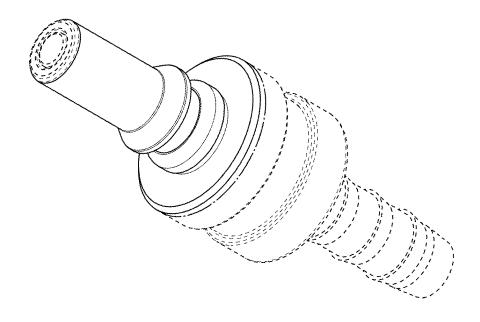


FIG. 1

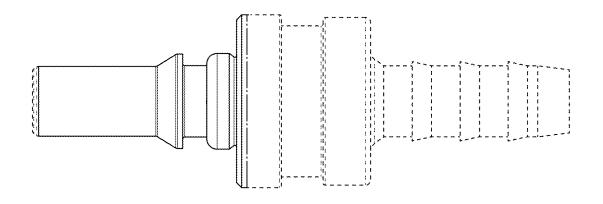


FIG. 2

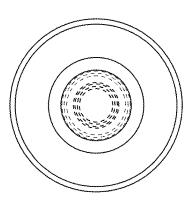


FIG. 3

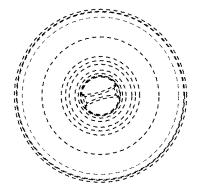


FIG. 4