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(54) ROBOTIC ARM ASSEMBLY

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(52) U.S. Cl.

(58) Field of Classification Search

USPC D15/122, 199; D21/578; D34/34 CPC B25J 9/1674; B25J 9/1697; B25J 13/089; B25J 13/086; B25J 13/08; B25J 19/06; B25J 19/021; B25J 13/006; B25J 5/007; G05D 1/0022; G05D 1/0248; Y10S 901/01

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,496,279 A *	1/1985	Langer B25J 9/046
	4.040.00	901/29
4,789,292 A *	12/1988	Holcomb B25J 15/0253
4.820.113 A *	4/1989	29/709 Farquhar H05K 13/046
1,020,113 71	1, 1, 0, 0	414/736
5,046,992 A *	9/1991	Tamai B25J 9/042
5 0 50 0 53 + -t-	# (0000	474/84
6,060,853 A *	5/2000	Rongo B25J 19/02
D712,448 S *	0/2014	901/46 Kasahara D15/199
D1.029.272 S *		Liao
12,042,934 B1*		Klossok F16M 11/08

2003/0053902 A1*	3/2003	Yokota H01L 21/68707
		414/744.2
2003/0062858 A1*	4/2003	Shimizu B25J 9/1615
		318/34
2003/0133780 A1*	7/2003	Yokota H01L 21/68707
		414/744.2
2005/0183533 A1*	8/2005	Tillmann B25J 9/1015
		74/490.03
2009/0071281 A1*	3/2009	Fisk B25J 19/023
		901/29
2010/0290886 A1*	11/2010	Hashimoto B25J 11/0095
		414/800

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO-2011069409 A1 * 6/2011 B25J 9/042

Primary Examiner — Patricia A Palasik

(57) CLAIM

The ornamental design for a robotic arm assembly, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a robotic arm assembly according to the new design.

FIG. 2 is a back perspective view thereof.

FIG. 3 is a side perspective view thereof.

FIG. 4 is a side perspective view thereof.

FIG. 5 is a top perspective view thereof.

FIG. 6 is a bottom perspective view thereof.

FIG. 7 is a front elevation view thereof.

FIG. 8 is a back elevation view thereof.

FIG. 9 is a side elevation view thereof.

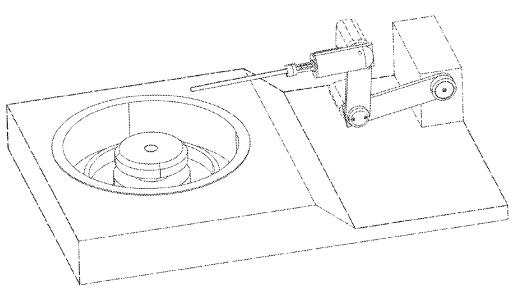
FIG. 10 is a side elevation view, rotated 90° to the left, thereof.

FIG. 11 is a top plan view of FIG. 1; and,

FIG. 12 is a bottom plan view of FIG. 1.

Dotted lines in the drawings are portions of the robot arm assembly which form no part of the claimed design.

1 Claim, 6 Drawing Sheets



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(56) **References Cited**

U.S. PATENT DOCUMENTS

2011/0067514 A1*	3/2011	Long B25J 9/047
2011/0218423 A1*	9/2011	74/420 Hsieh A61B 34/20
2015/0190933 A1*	7/2015	600/459 Kremerman H01L 21/67742
		414/806
2016/0067868 A1*	3/2016	Porter B25J 15/04 74/490.06
2018/0243907 A1*		Takeyama B25J 15/103
2022/0022978 A1*	1/2022	Kapadia A61B 34/30
2023/0041079 A1*		Thompson B05B 15/14

^{*} cited by examiner



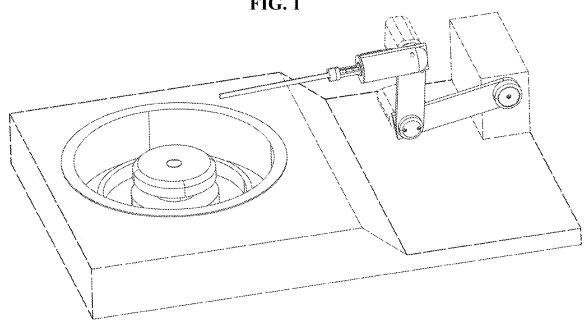


FIG. 2

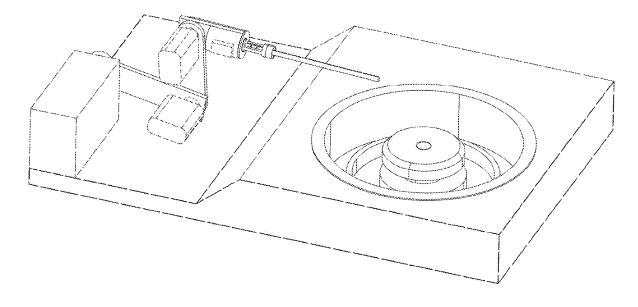


FIG. 3

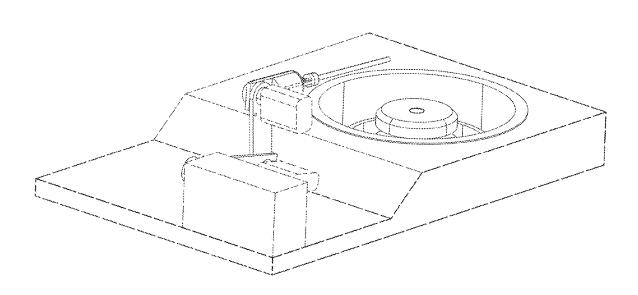


FIG. 4

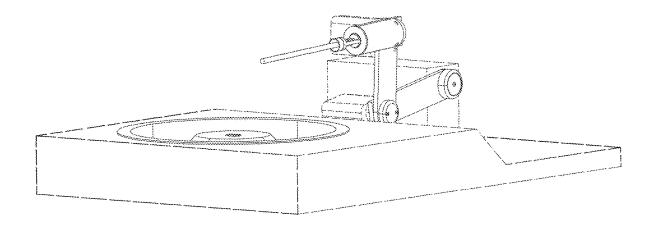


FIG. 5

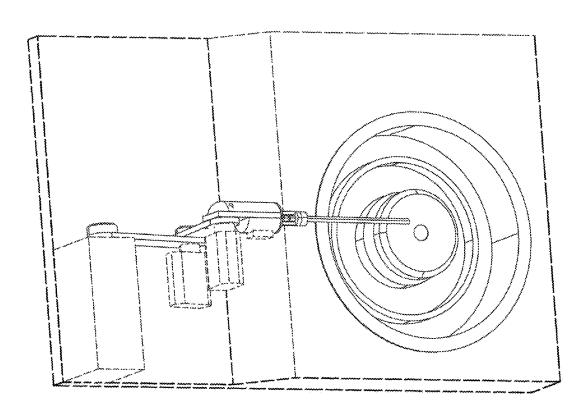


FIG. 6

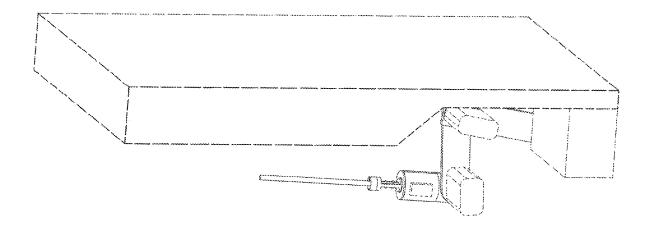


FIG. 7

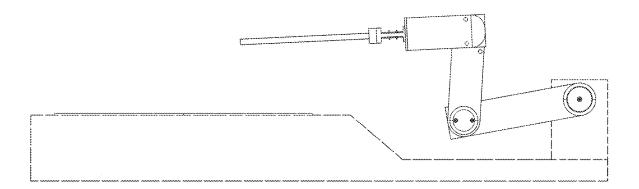
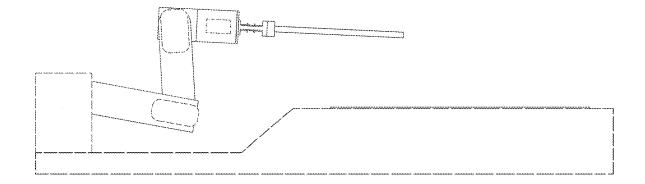
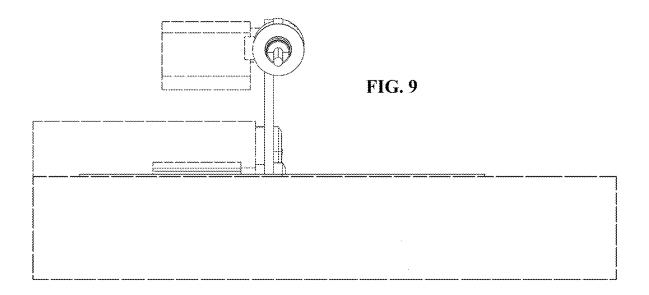


FIG. 8





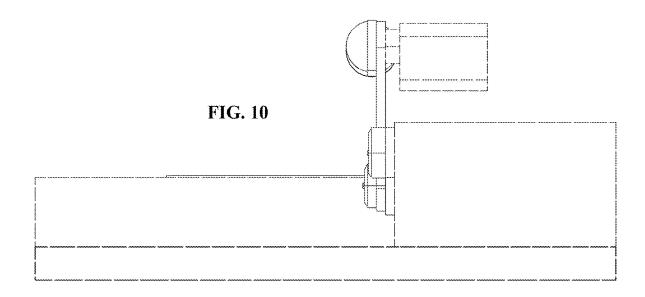


FIG. 11

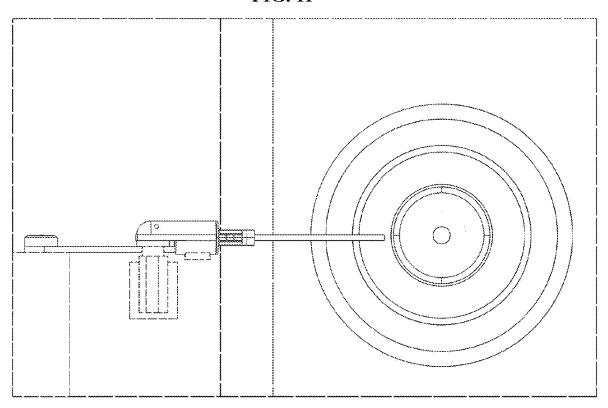


FIG. 12

