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United States Patent [19]

Mizukami

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[54] **DRY MULTI-DISK CLUTCH, ESPECIALLY FOR AUTOMOTIVE RACING APPLICATIONS**

[75] Inventor: Hiroshi Mizukami, Neyagawa, Japan

[73] Assignee: Exedy Corporation, Osaka, Japan

[**] Term: 14 Years

[21] Appl. No.: 75,457

[22] Filed: Aug. 22, 1997

Related U.S. Application Data

[63] Continuation of Ser. No. 66,618, Feb. 13, 1997, abandoned, which is a continuation of Ser. No. 438,726, May 10, 1995, Pat. No. 5,638,932.

[51] LOC (6) Cl. 15-09

[52] U.S. Cl. D15/148

[58] Field of Search D15/148, 149; 188/264 D, 264 G; 192/70.12, 70.14, 107 R, 113 LC, 113 BG, 70.28, 113.36, 70.19, 70.27, 70.2

References Cited

U.S. PATENT DOCUMENTS

D. 237,900	12/1975	Stroup	.....	D15/149
D. 288,694	3/1987	Dobbertin	.....	D15/148
D. 288,934	3/1987	Brown	.....	D15/148
D. 302,822	8/1989	Huber	.....	D15/148
D. 302,823	8/1989	Huber	.....	D15/148
D. 327,281	6/1992	Macomber	.....	D15/149
D. 373,368	9/1996	Matsui et al.	.....	D15/148
D. 373,369	9/1996	Matsui et al.	.....	D15/148
4,667,793	5/1987	Kunz et al.	.....	192/70.12
4,830,160	5/1989	Marshall	.....	192/70.12
4,846,326	7/1989	Tilton et al.	.....	192/70.19

5,099,973	3/1992	Flotow et al.	.....	192/70.12
5,181,594	1/1993	Nash	.....	192/70.27
5,226,516	7/1993	Novikoff et al.	.....	192/70.28
5,301,779	4/1994	Nash	.....	192/70.2
5,460,255	10/1995	Quigley	.....	192/113.36

FOREIGN PATENT DOCUMENTS

1204539	9/1970	United Kingdom .
1352989	5/1974	United Kingdom .
1506738	4/1978	United Kingdom .
2165321	4/1986	United Kingdom .

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[57]

CLAIM

The ornamental design for dry multi-disk clutch, especially for automotive racing applications, as shown and described.

DESCRIPTION

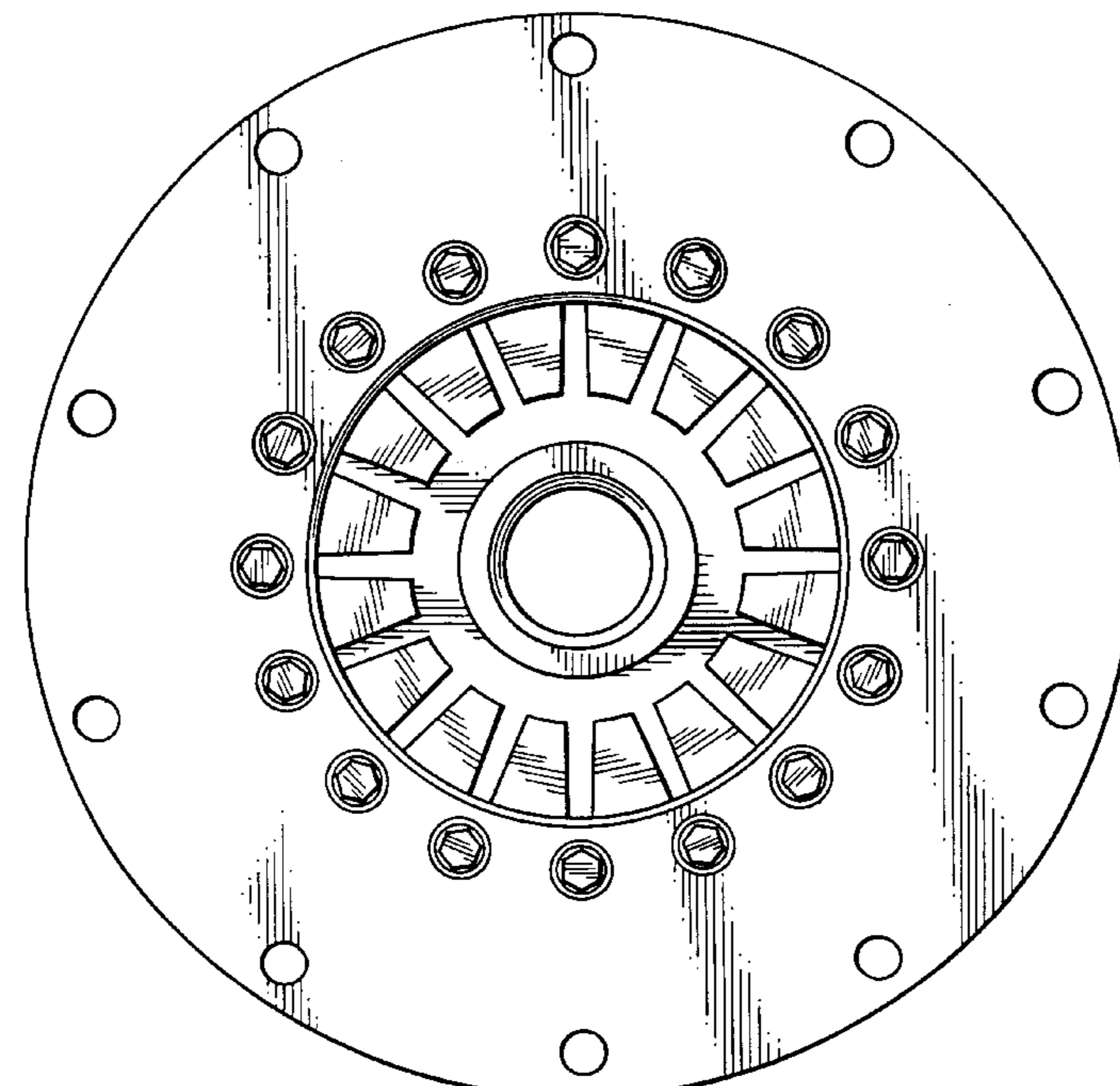
FIG. 1 is a front elevational view illustrating a dry multi-disk clutch, especially for automotive racing applications in accordance with my new design; and,

FIG. 2 is a left side elevational view of the dry multi-disk clutch, especially for automotive racing applications as illustrated in FIG. 1.

The rear elevational view of the dry multi-disk clutch, especially for automotive racing applications, of my new design does not form part of the claimed invention, and the side elevational view of FIG. 2 is identical about the periphery of the clutch of my new design.

The internal surfaces of the dry multi-disk clutch, especially for automotive racing applications, do not form part of the claimed invention, except for the internal surfaces seen in elevation as illustrated in FIG. 1.

1 Claim, 2 Drawing Sheets



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Sheet 1 of 2

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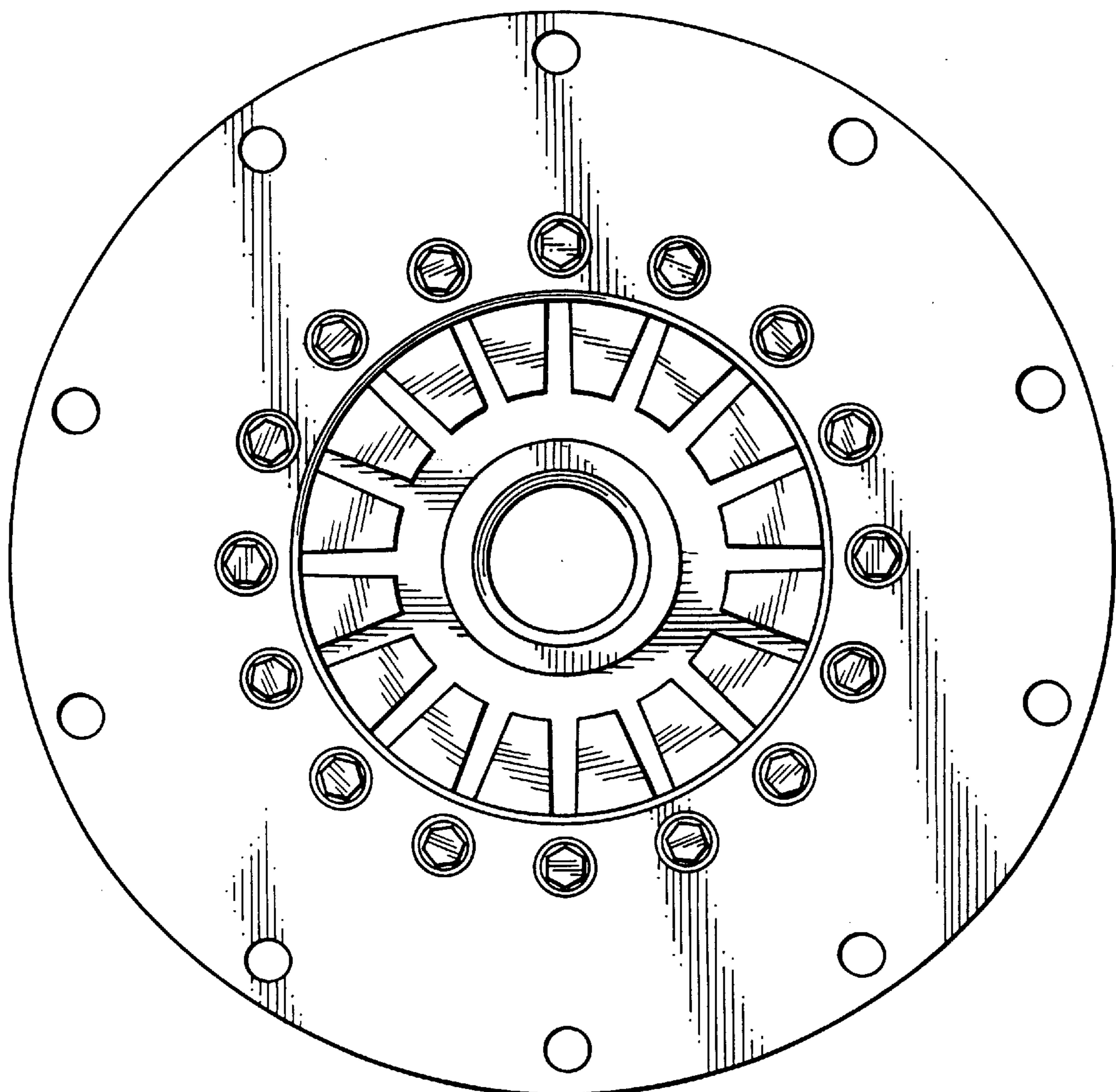


FIG. I

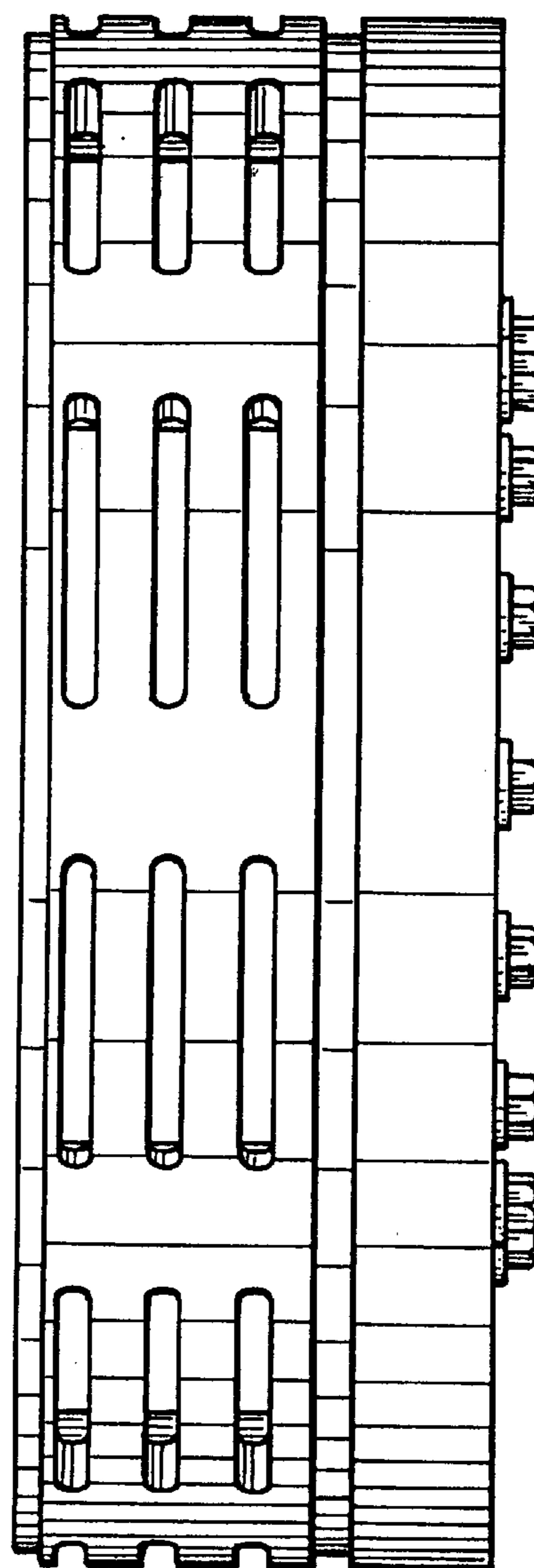


FIG. 2