



US00D584366S

(12) **United States Design Patent**  
**Bowen et al.**

(10) **Patent No.:** **US D584,366 S**  
(45) **Date of Patent:** **\*\* Jan. 6, 2009**

(54) **VANED WHEEL PARTS OF A TOY VEHICLE**

3,667,156 A 6/1972 Tomiyama et al.

(75) Inventors: **David Bowen**, Fort Collins, CO (US);  
**Paulo Kang**, Burbank, CA (US)

(Continued)

(73) Assignee: **Mattel, Inc.**, El Segundo, CA (US)

**OTHER PUBLICATIONS**

Mattel, *Mattel 2003 Catalog*, 2 pages (cover and p. 124).

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

*Primary Examiner*—Holly H Baynham

*Assistant Examiner*—Cynthia M Chin

(21) Appl. No.: **29/305,160**

(74) *Attorney, Agent, or Firm*—Panitch Schwarze Belisario & Nadel LLP

(22) Filed: **Mar. 14, 2008**

(57) **CLAIM**

**Related U.S. Application Data**

The ornamental design for vaned wheel parts of a toy vehicle, as shown and described.

(60) Division of application No. 29/247,396, filed on Jun. 15, 2006, now Pat. No. Des. 569,924, which is a division of application No. 29/235,734, filed on Aug. 4, 2005, now Pat. No. Des. 529,967, which is a continuation-in-part of application No. 29/223,218, filed on Feb. 9, 2005, now abandoned, and a continuation-in-part of application No. 29/233,004, filed on Jun. 24, 2005, now abandoned.

**DESCRIPTION**

FIG. 1 is a perspective view of a first configuration of a pair of vaned wheel parts of a toy vehicle in accordance with our new design;

(51) **LOC (9) Cl.** ..... **21-01**

FIG. 2 is a “front” elevation view thereof;

(52) **U.S. Cl.** ..... **D21/563**

FIG. 3 is a “rear” elevation view thereof;

(58) **Field of Classification Search** ..... D21/398,  
D21/548, 549, 550, 560, 561, 563, 779; D12/162,  
D12/214, 345; D23/411, 413; 446/164,  
446/456, 462, 465, 466, 468–471, 431, 437,  
446/448, 449, 451, 454–458; 180/218; 152/112,  
152/165

FIG. 4 is an elevation view of the “right” side thereof, the elevation view of the “left” side being a mirror image thereof;

FIG. 5 is a “top” plan view thereof;

FIG. 6 is a “bottom” plan view thereof;

See application file for complete search history.

FIG. 7 is a perspective view of a second configuration of a pair of vaned wheel parts of a toy vehicle in accordance with our new design;

FIG. 8 is a “front” elevation view thereof;

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,104,636 A	1/1938	Burcham	
2,372,043 A	3/1945	Aghnides	
D145,050 S	6/1946	Arnold	
2,949,697 A	8/1960	Licitis et al.	
3,312,013 A	4/1967	Graves	
3,327,796 A	6/1967	Hanmer	
3,500,579 A	3/1970	Bryer	
3,555,725 A	1/1971	Orfei et al.	
3,590,897 A *	7/1971	Bragdon	152/112

FIG. 9 is a “rear” elevation view thereof;

FIG. 10 is an elevation view of the “right” side thereof;

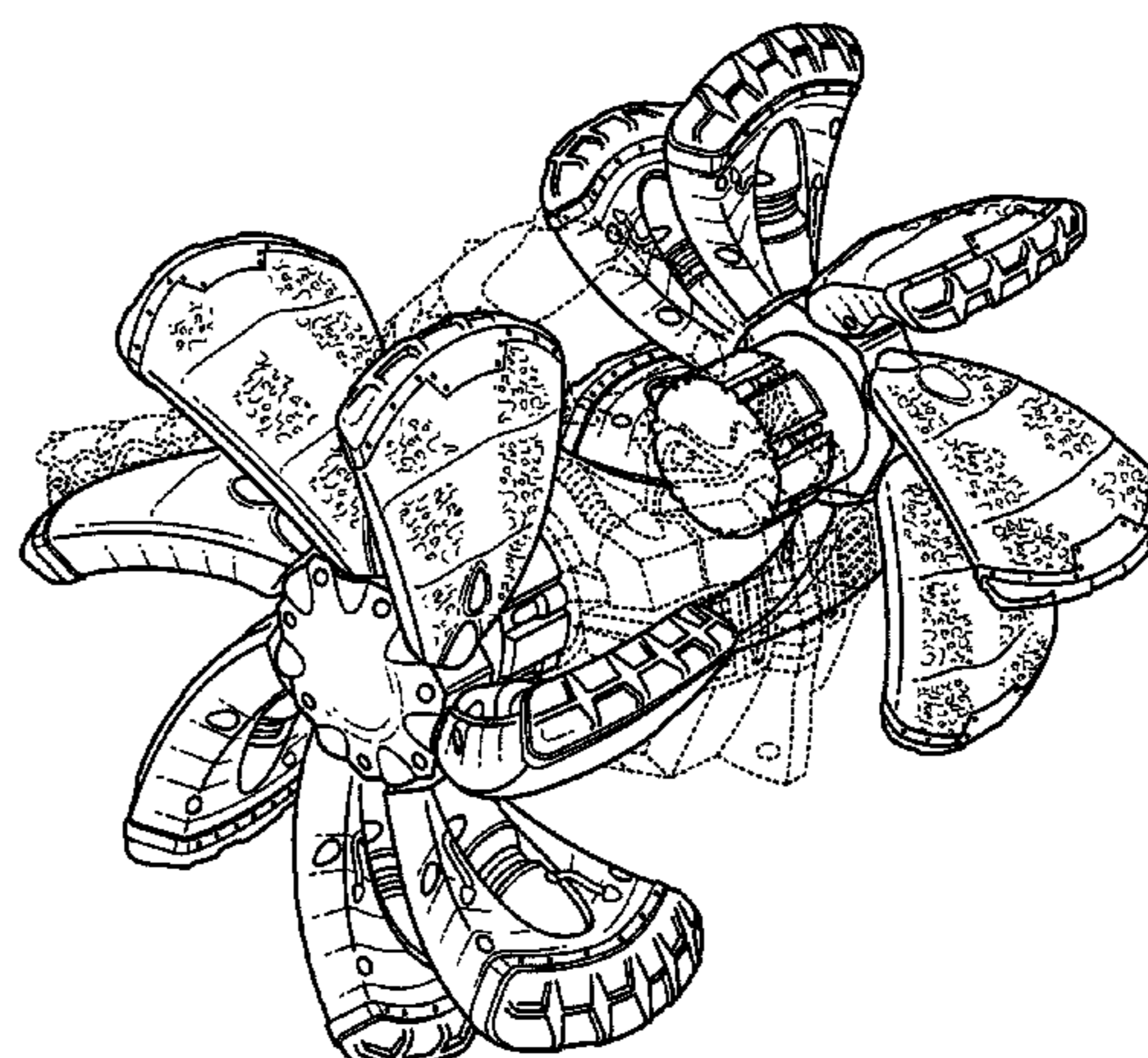
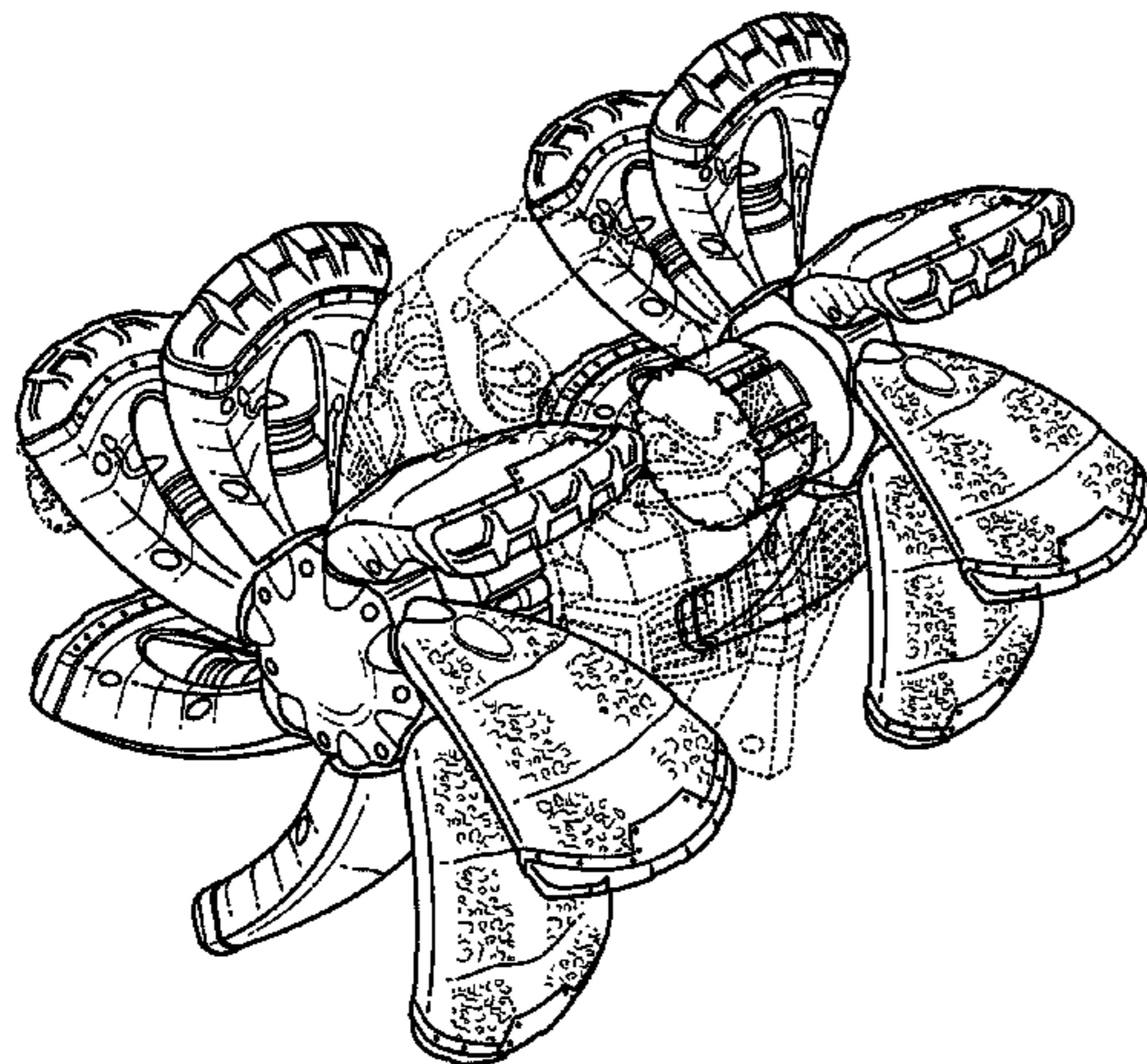
FIG. 11 is an elevation view of the “left” side thereof,

FIG. 12 is a “top” plan view thereof; and,

FIG. 13 is a “bottom” plan view thereof.

The broken lines in the figures are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 13 Drawing Sheets**



# US D584,366 S

Page 2

U.S. PATENT DOCUMENTS				
		5,618,219 A	4/1997	Simone et al.
		5,667,420 A	9/1997	Menow et al.
3,722,134 A	3/1973 Merrill et al.	5,692,946 A	12/1997	Ku
3,733,739 A	5/1973 Terzian	5,769,441 A	6/1998	Namngani
3,746,117 A	7/1973 Alred	5,797,815 A	8/1998	Goldman et al.
3,798,835 A	3/1974 McKeehan	D399,890 S	10/1998	Esterie et al.
D234,525 S *	3/1975 Maloney ..... D21/398	5,871,386 A	2/1999	Bart et al.
3,893,707 A	7/1975 Samsel	5,919,075 A	7/1999	George et al.
4,057,929 A	11/1977 Ogawa	D414,517 S	9/1999	Norris
4,300,308 A	11/1981 Ikeda	D420,403 S	2/2000	Bart
D262,224 S	12/1981 Aoki	6,024,627 A	2/2000	Tilbor et al.
4,310,987 A	1/1982 Chieffo	D423,602 S	4/2000	Yamazaki
4,386,787 A	6/1983 Maplethorpe et al.	6,066,026 A	5/2000	Bart et al.
4,391,224 A	7/1983 Adler	6,095,890 A	8/2000	George et al.
4,438,588 A	3/1984 Martin	6,129,607 A	10/2000	Hoeting et al.
4,471,567 A	9/1984 Martin	D441,407 S	5/2001	Goldman
4,501,569 A	2/1985 Clark, Jr. et al.	6,227,934 B1	5/2001	Isaksson et al.
4,505,346 A	3/1985 Mueller	D450,788 S	11/2001	Kawasaki
4,541,814 A	9/1985 Martin	6,439,948 B1	8/2002	Ostendorff et al.
4,568,306 A	2/1986 Martin	6,458,008 B1	10/2002	Hyneman
4,599,077 A	7/1986 Vuillard	6,461,218 B1	10/2002	Mullaney et al.
4,601,675 A	7/1986 Robinson	6,475,059 B1	11/2002	Lee
4,609,196 A	9/1986 Bozinovic	6,502,657 B2	1/2003	Kerrebrock et al.
4,666,420 A	5/1987 Nagano	6,540,583 B1	4/2003	Hoeting et al.
4,671,779 A	6/1987 Kurosawa	6,648,722 B2	11/2003	Lynders et al.
4,674,585 A	6/1987 Barlow et al.	6,752,684 B1	6/2004	Lee
D292,110 S	9/1987 Tamakoshi	6,764,374 B2	7/2004	Tilbor et al.
4,693,696 A	9/1987 Buck	D504,748 S	5/2005	Jager
4,726,800 A	2/1988 Kobayashi	6,926,581 B2 *	8/2005	Lynders et al. .... 446/466
4,773,889 A	9/1988 Rosenwinkel et al.	D509,584 S *	9/2005	Li et al. .... D23/413
4,892,503 A	1/1990 Kumazawa	7,033,241 B2 *	4/2006	Lee et al. .... 446/456
4,897,070 A	1/1990 Wagstaff	D529,967 S	10/2006	Bowen et al.
4,927,401 A	5/1990 Sonesson	D532,903 S *	11/2006	Hirata et al. .... D23/413
5,041,051 A	8/1991 Sonesson	7,217,170 B2 *	5/2007	Moll et al. .... 446/465
5,131,882 A	7/1992 Kiyokane	D570,996 S *	6/2008	Harman et al. .... D23/413
D336,935 S	6/1993 York et al.	D570,999 S *	6/2008	Harman et al. .... D23/413
5,439,408 A	8/1995 Wilkinson	2002/0011368 A1 *	1/2002	Berg ..... 180/218
5,487,692 A	1/1996 Mowrer et al.			
5,533,921 A	7/1996 Wilkinson			

\* cited by examiner

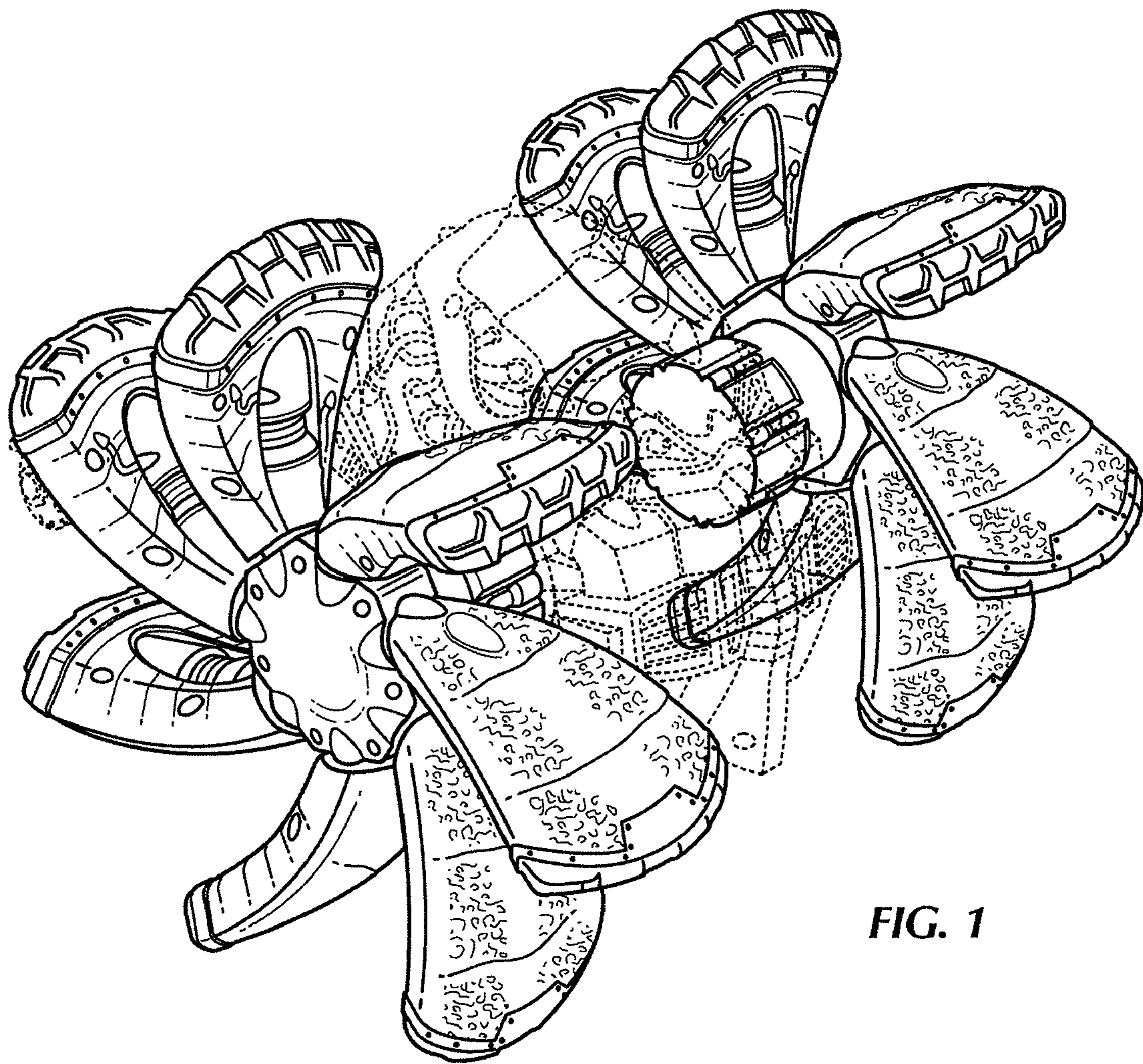


FIG. 1

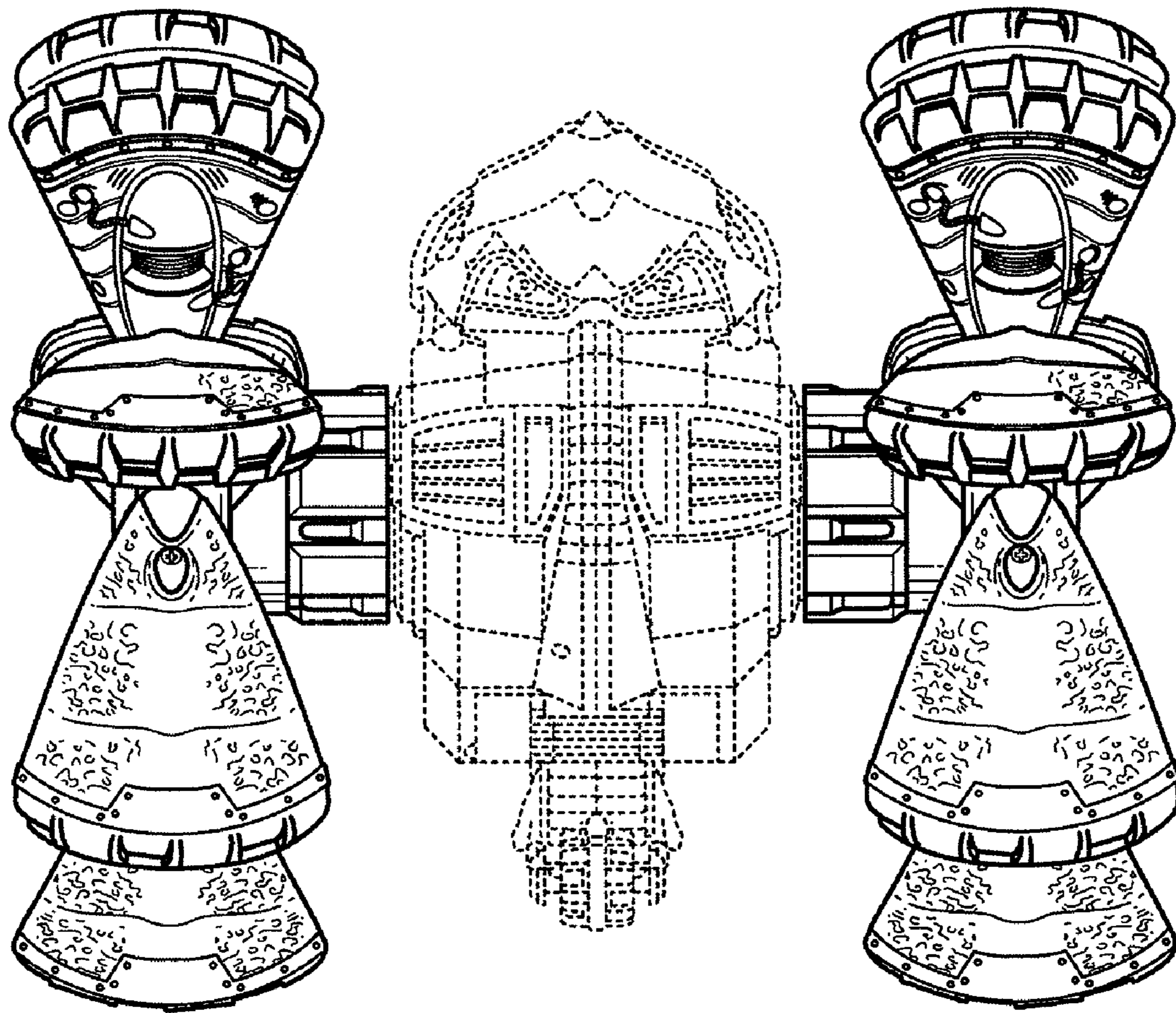


FIG. 2

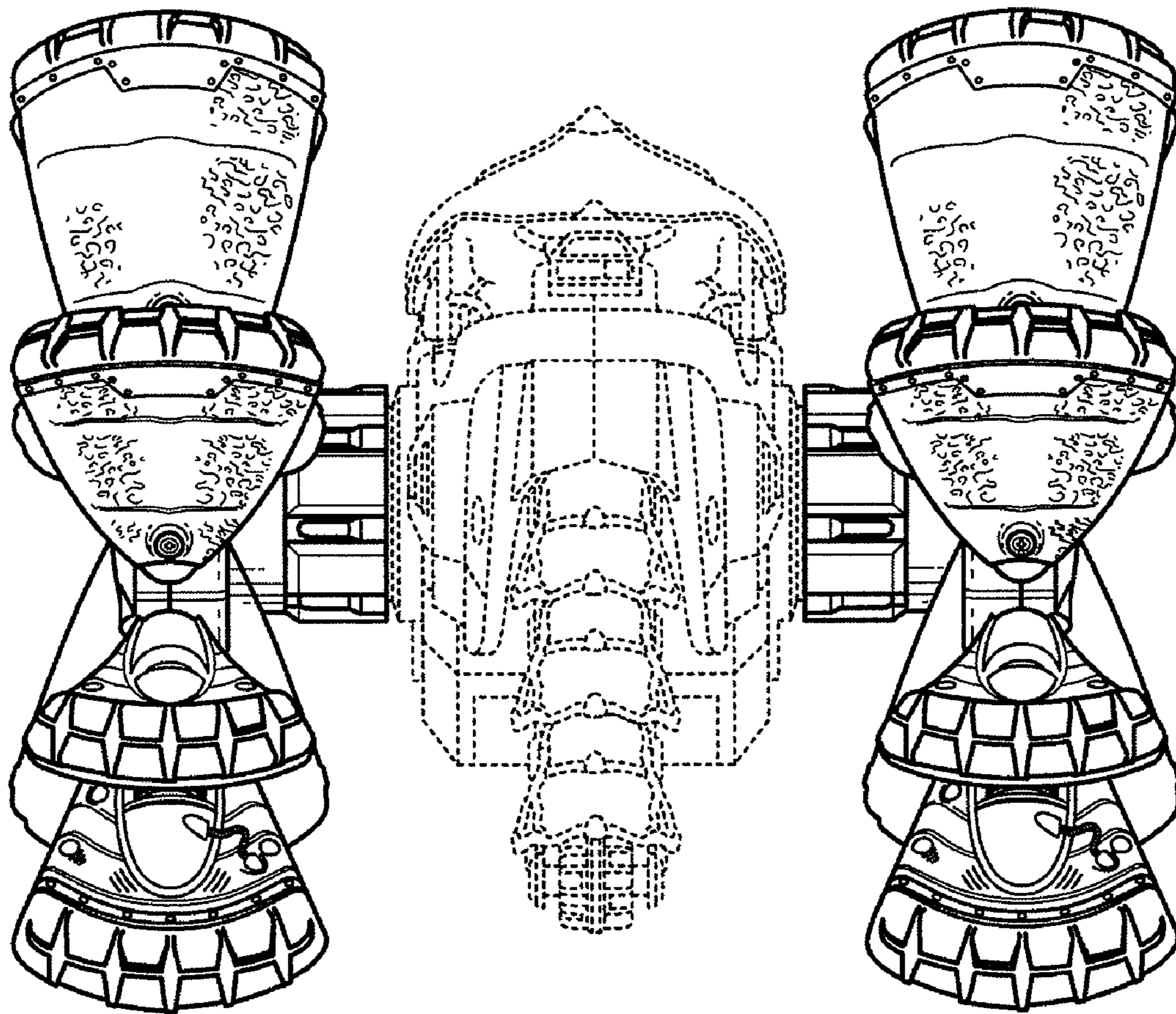


FIG. 3

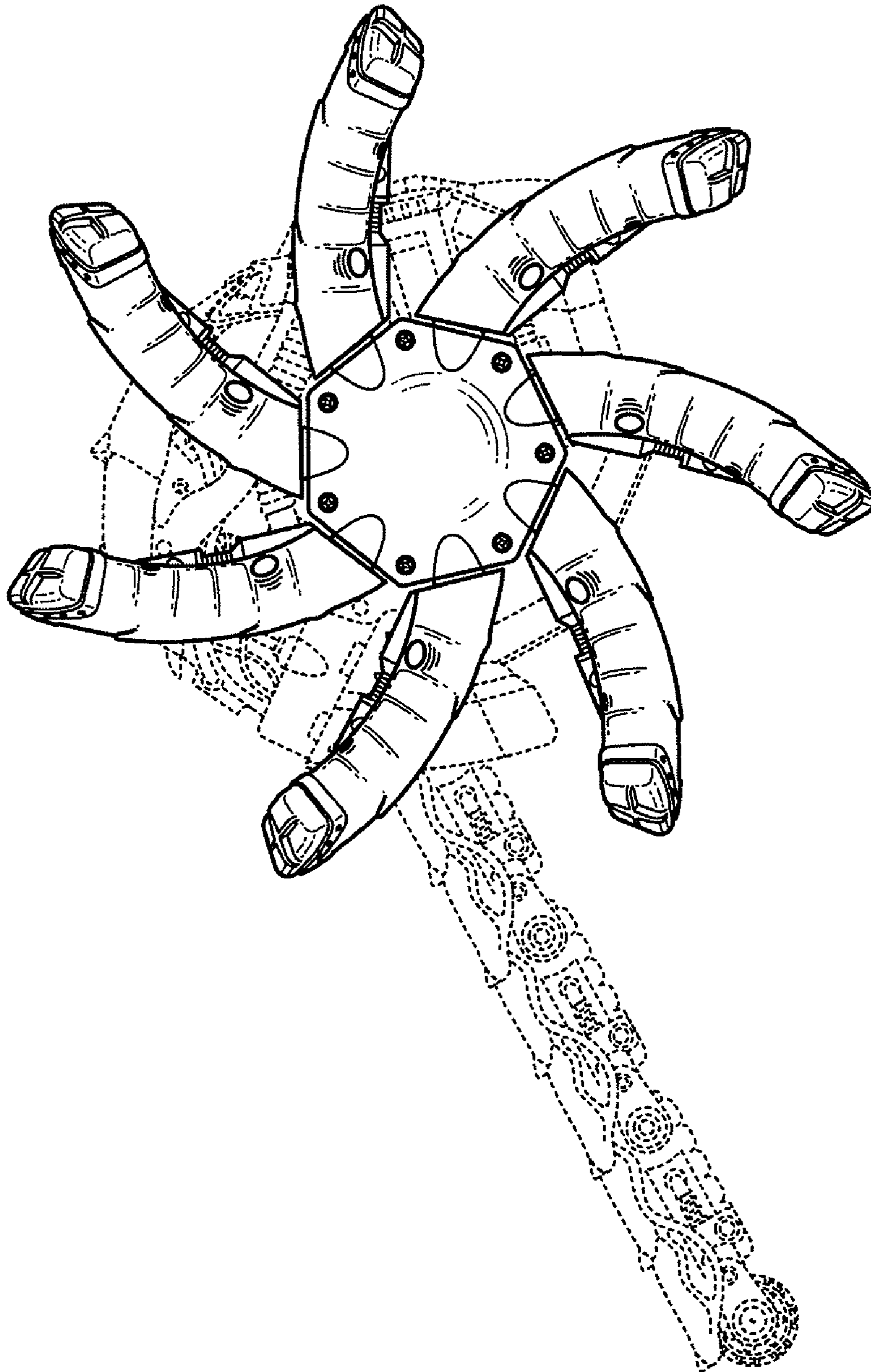


FIG. 4

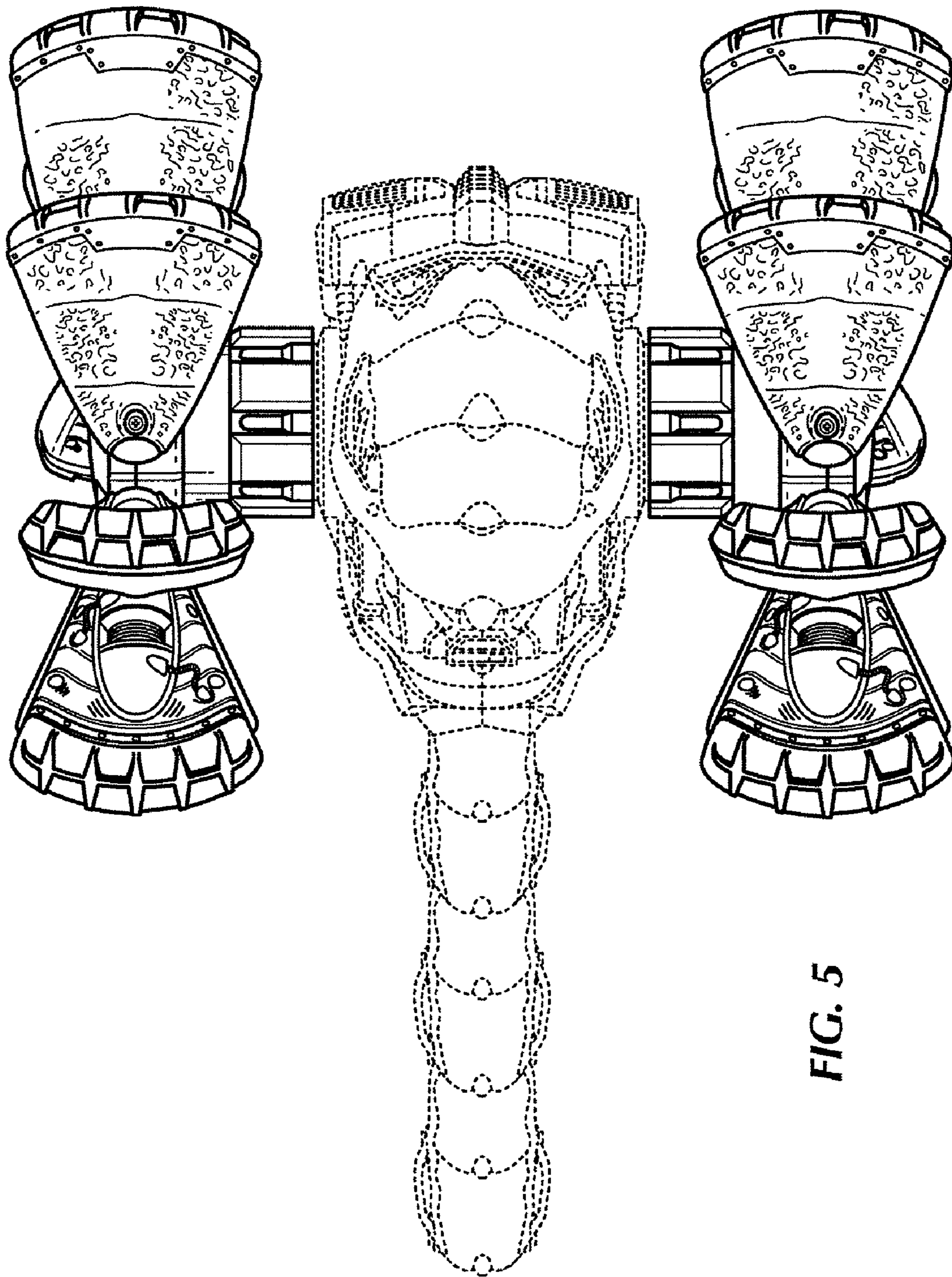


FIG. 5

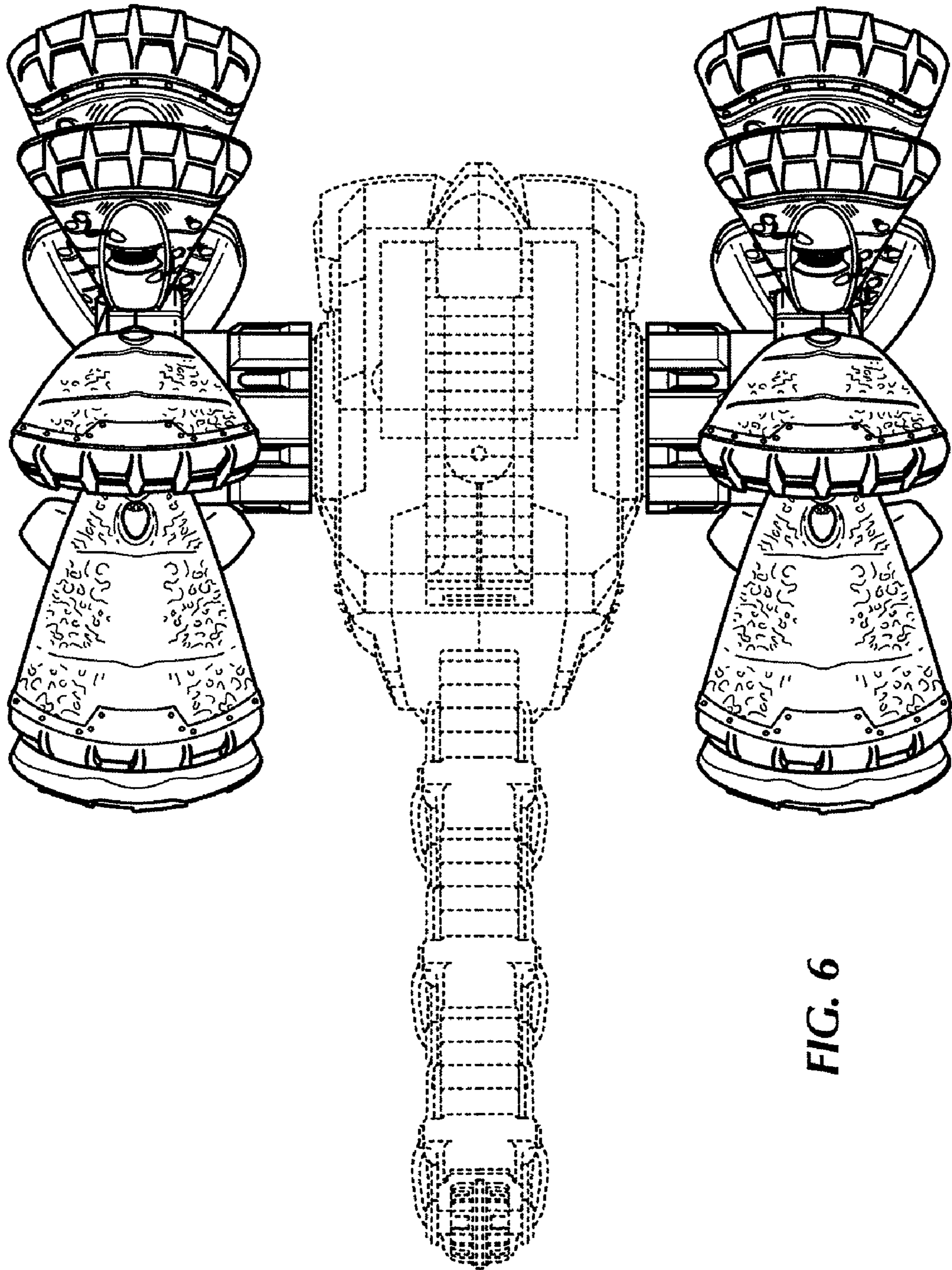


FIG. 6



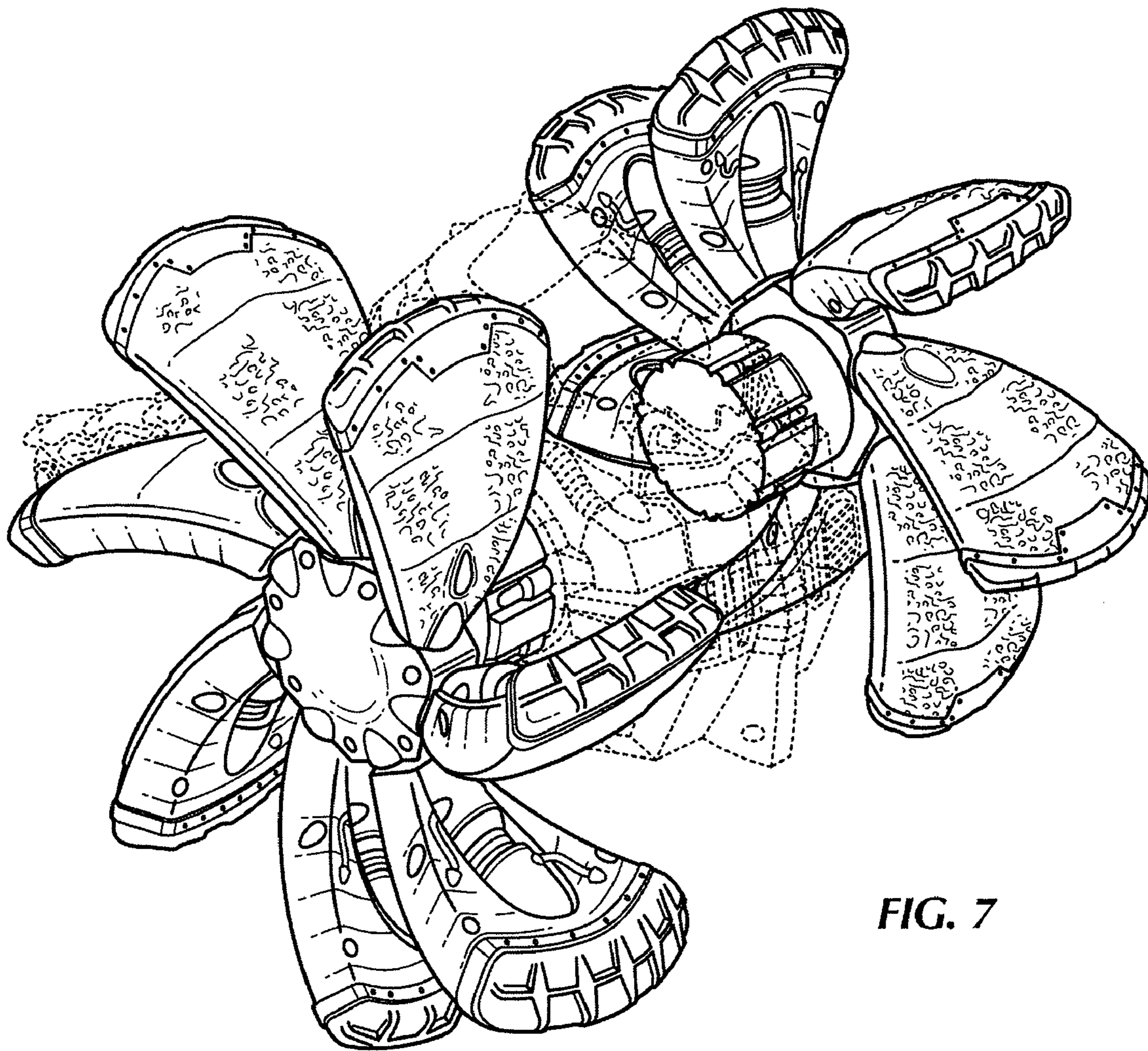


FIG. 7

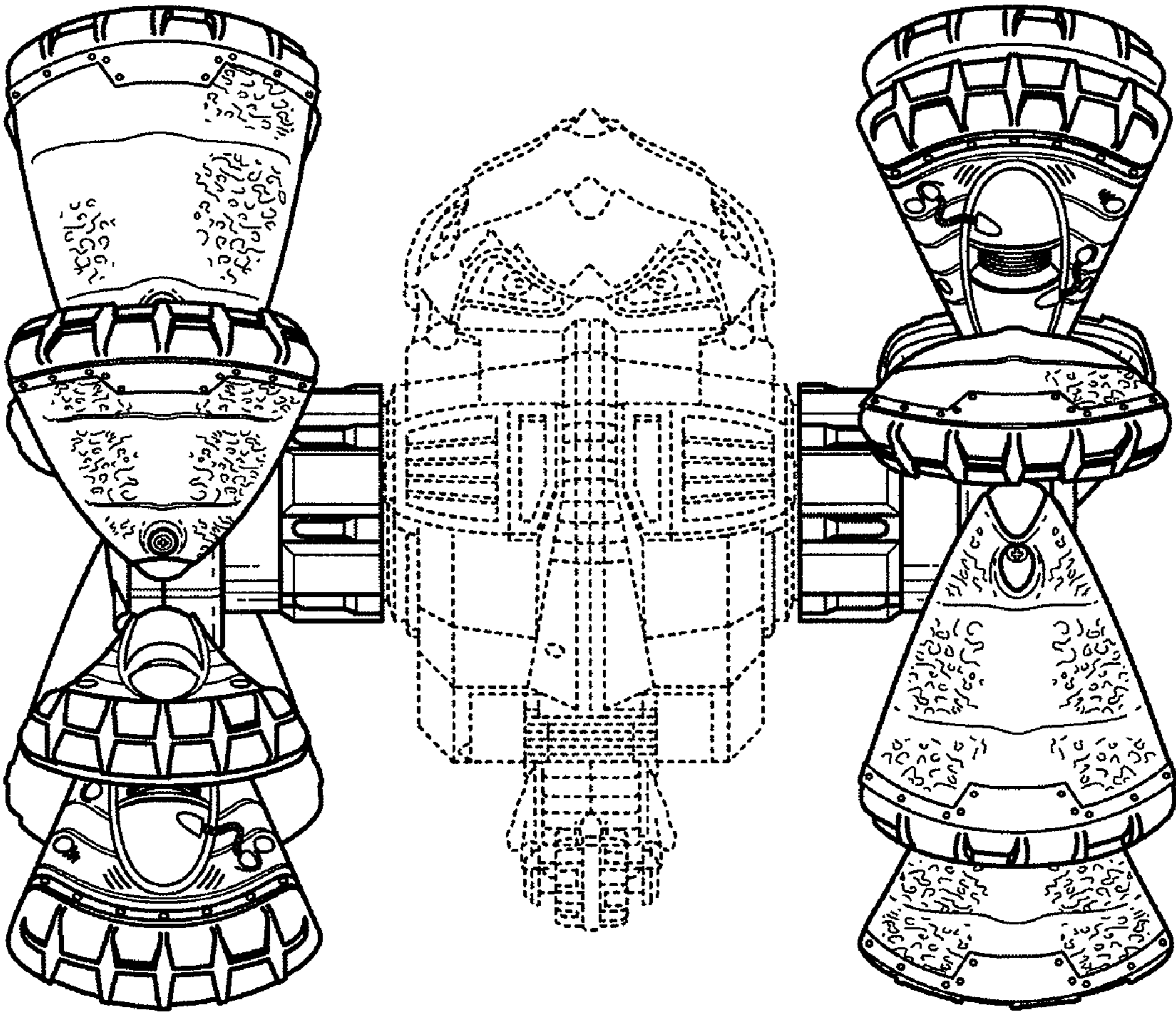


FIG. 8

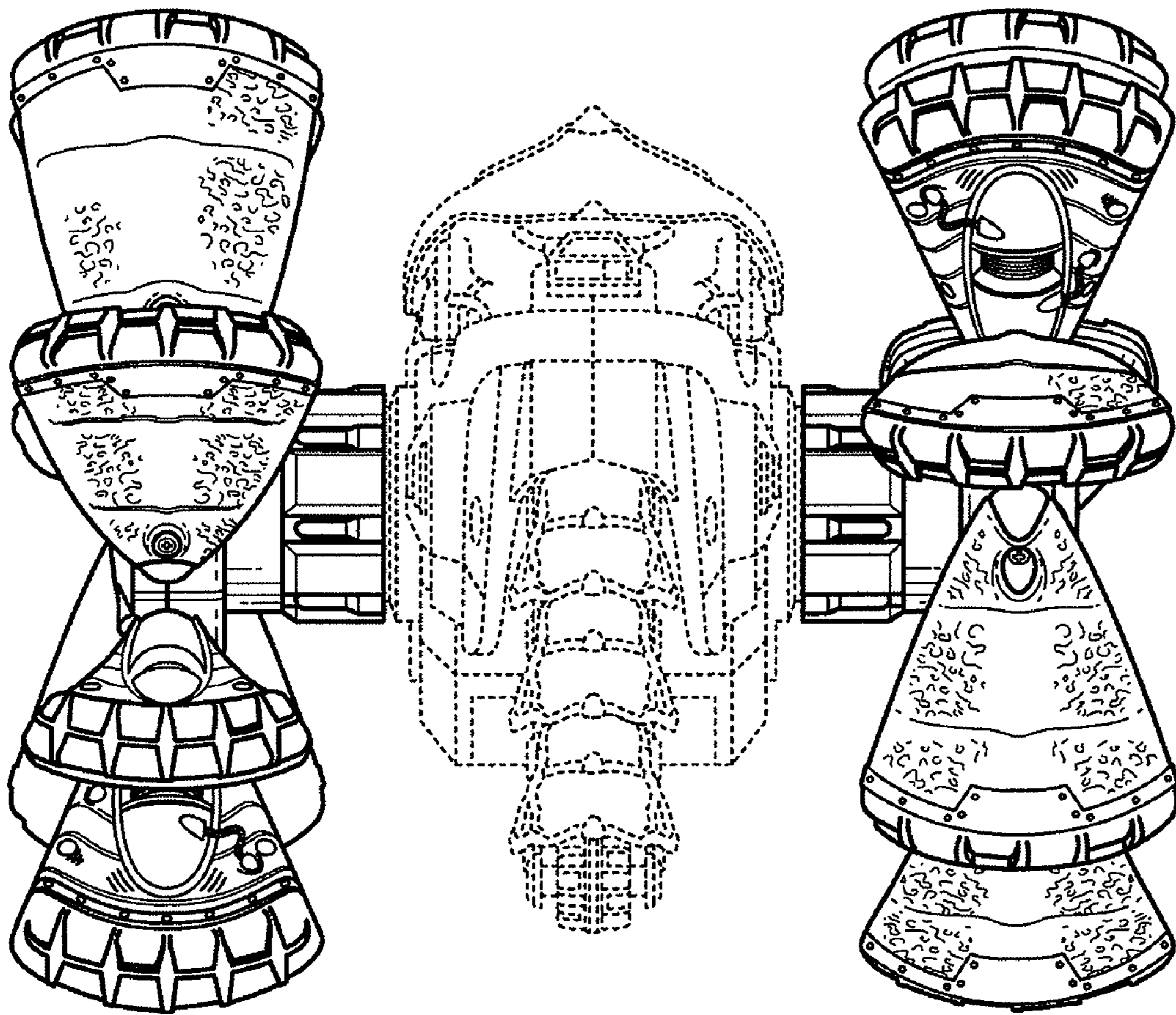


FIG. 9

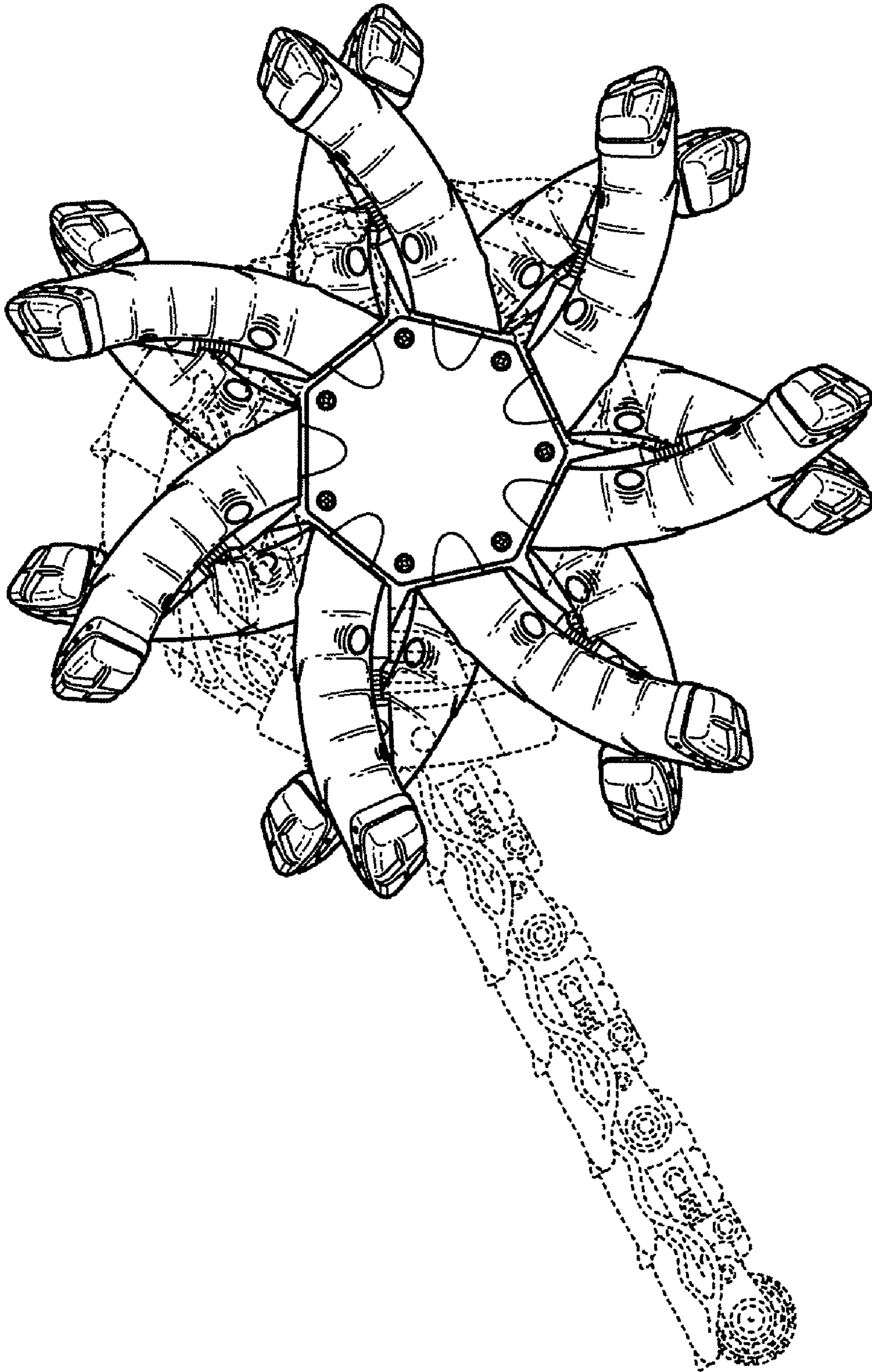


FIG. 10

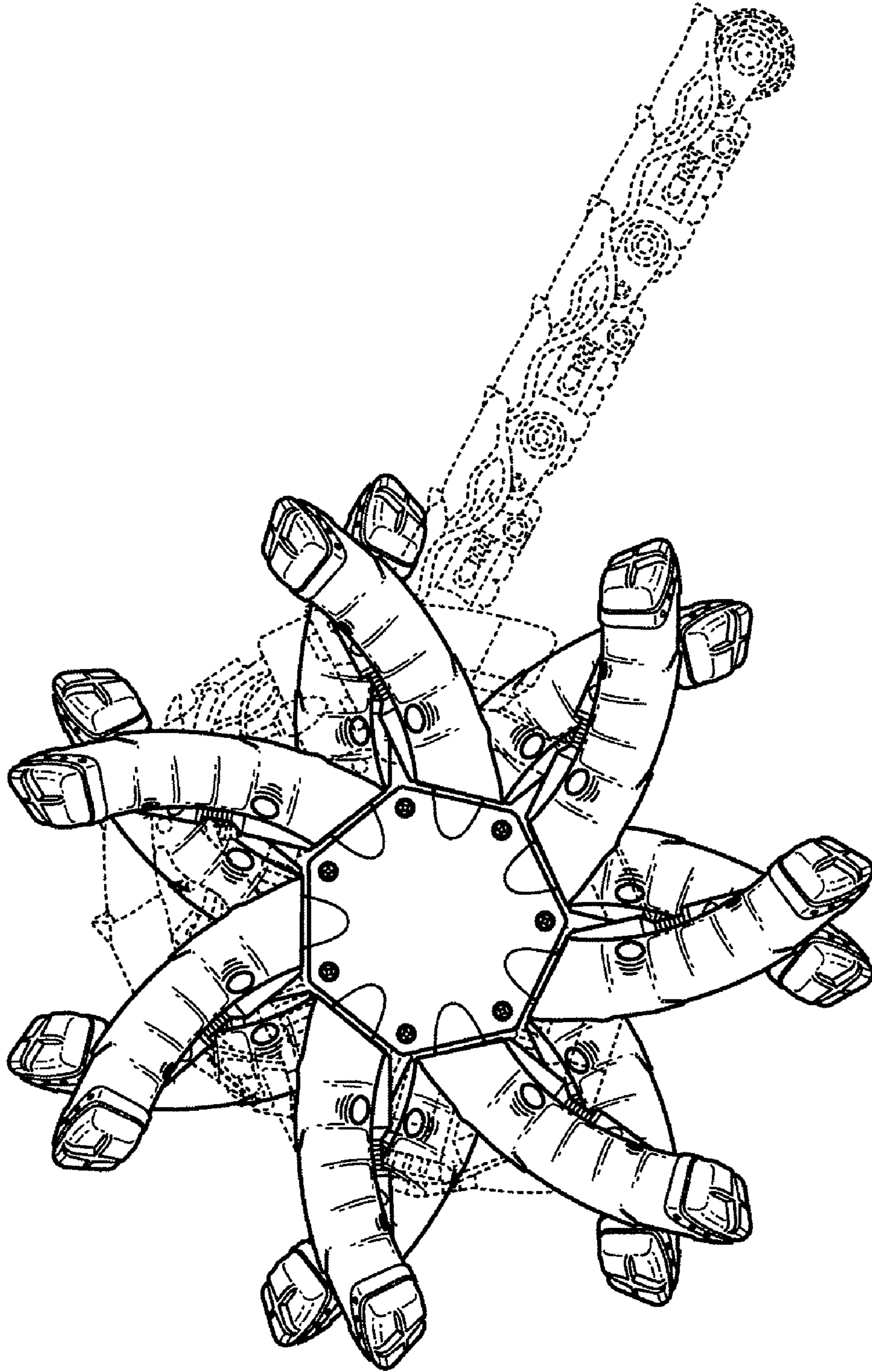


FIG. 11

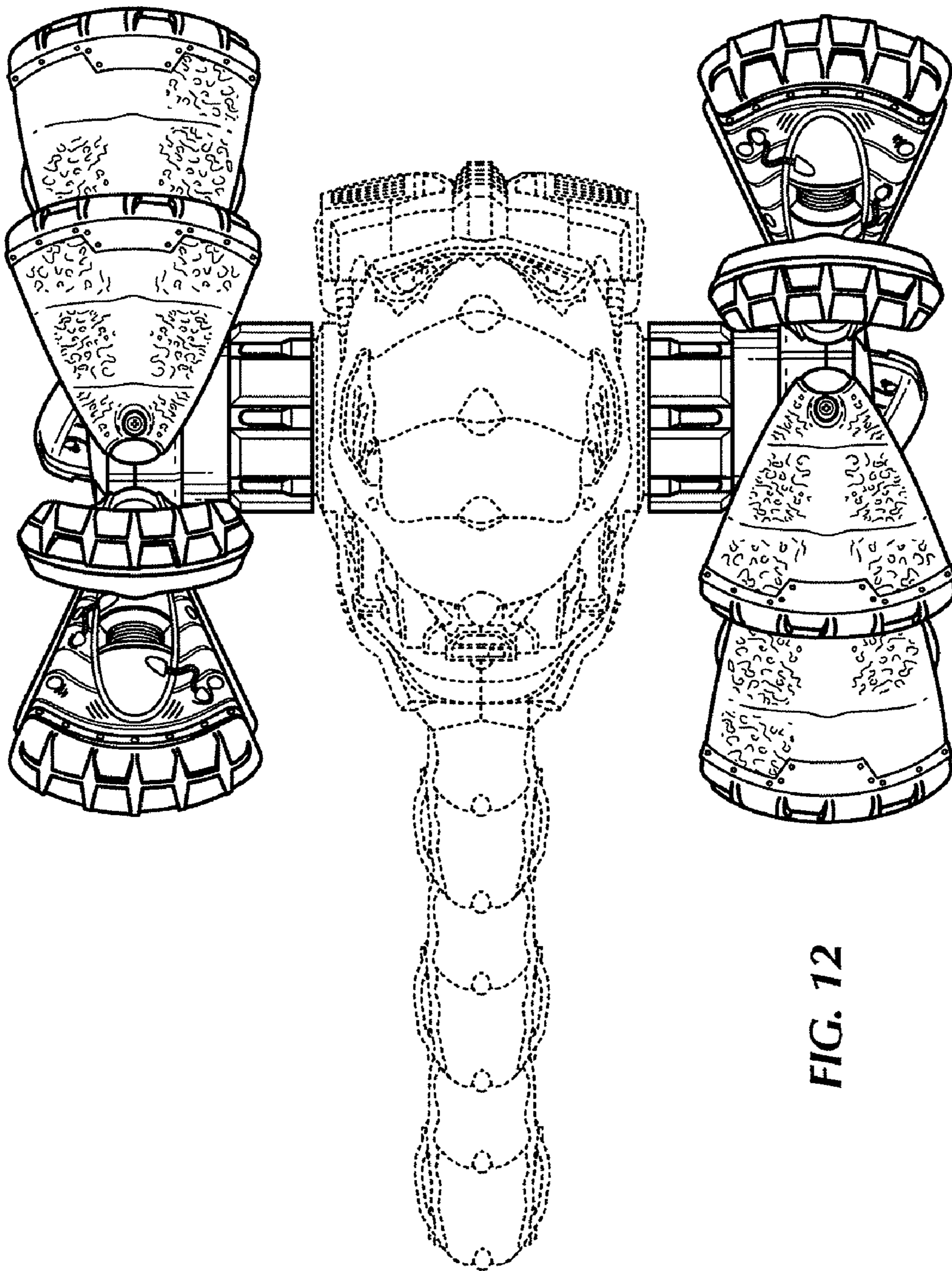


FIG. 12

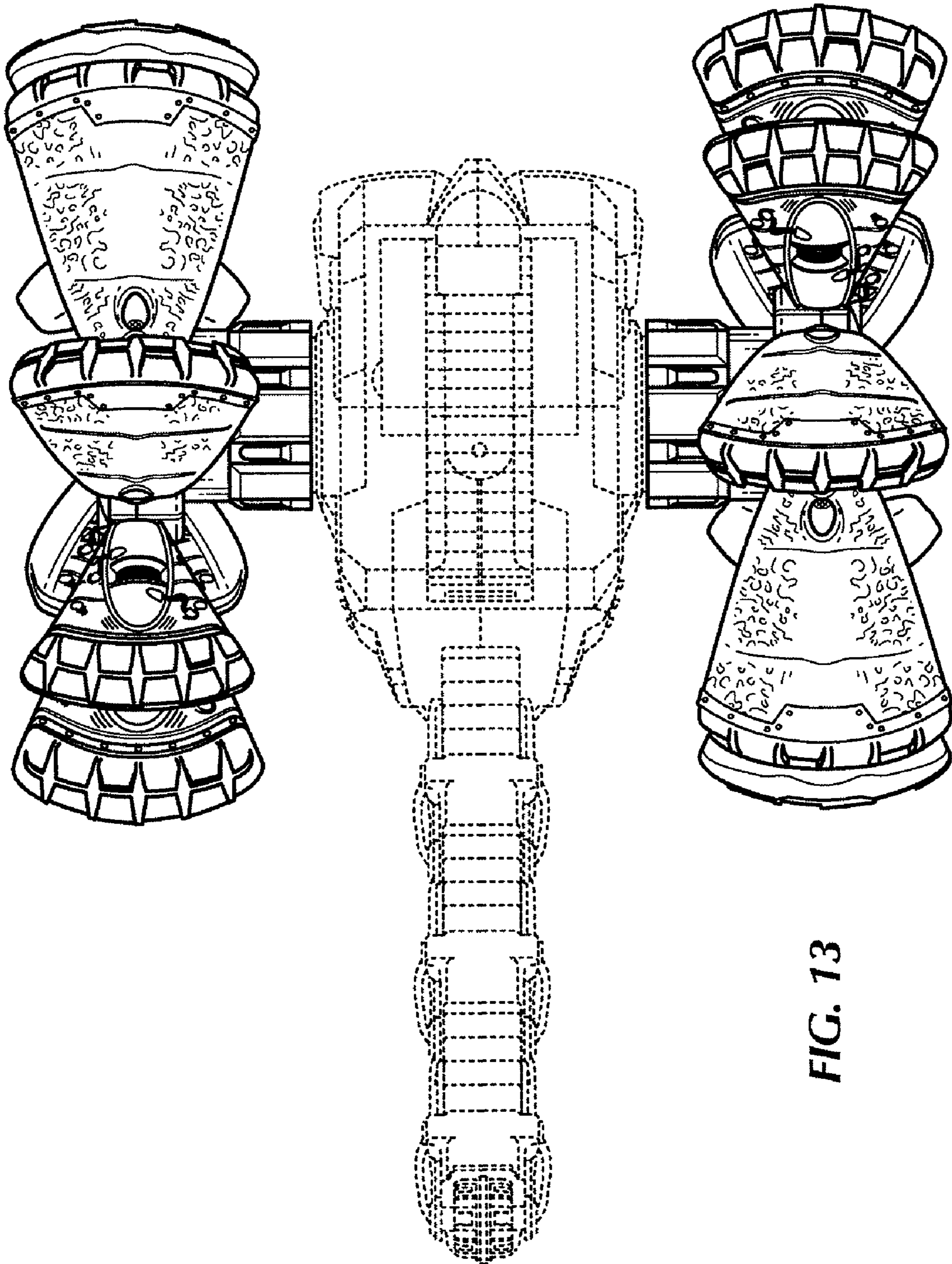


FIG. 13