

Patent Number:

[11]

US005924506A

United States Patent [19]

Perego

Date of Patent: Jul. 20, 1999 [45]

5,924,506

[54]	MOTORIZED WHEEL ASSEMBLY AND TOY VEHICLE WITH SUCH WHEEL ASSEMBLY
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[73]	Assignee: Peg Perego Pines S.p.A., Arcore, Italy
[21]	Appl. No.: 08/786,092
[22]	Filed: Jan. 17, 1997
[30]	Foreign Application Priority Data
	23, 1996 [IT] Italy MI96U0051 23, 1996 [IT] Italy MI96U0050
[51]	Int. Cl. ⁶ B60K 1/00; B60K 17/30;
[52] [58]	B62D 11/04 U.S. Cl

References Cited

U.S. PATENT DOCUMENTS

3,004,795 10/1961 Atkin 301/6.6

7/1938 Ammen et al. 280/95

4,699,433	10/1987	Kopp 301/6.6
4,805,712	2/1989	Singleton 180/907
5,224,563	7/1993	Iizuka et al
5,311,957	5/1994	McLaurin et al 180/253
5,482,125	1/1996	Pagett 180/6.32

FOREIGN PATENT DOCUMENTS

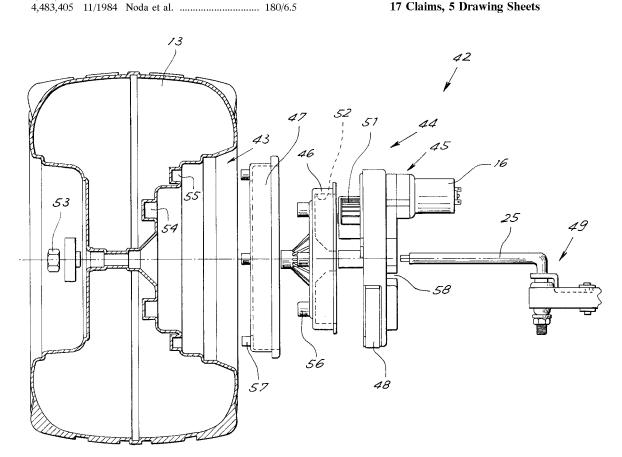
2132954	7/1984	United Kingdom	180/907
2188889	10/1987	United Kingdom	180/907

Primary Examiner-Lanna Mai Assistant Examiner—Bridget Avery Attorney, Agent, or Firm-McGlew and Tuttle, P.C.

[57] **ABSTRACT**

A wheel assembly (42) for toy vehicles comprises a wheel (13) rotatably mounted on a pivot (25) having a support (49) for supporting it on a vehicle chassis and an electric power unit (44) connected to the wheel to set it in rotation. The power unit (44) is mounted stationary on the pivot and ends towards the wheel with a motor-driven cup-shaped element (46) which rotates coaxially to the pivot (25) and which is received in a corresponding housing (43) provided on the internal face of the wheel and blocked to prevent it from rotating within it.

17 Claims, 5 Drawing Sheets





[56]

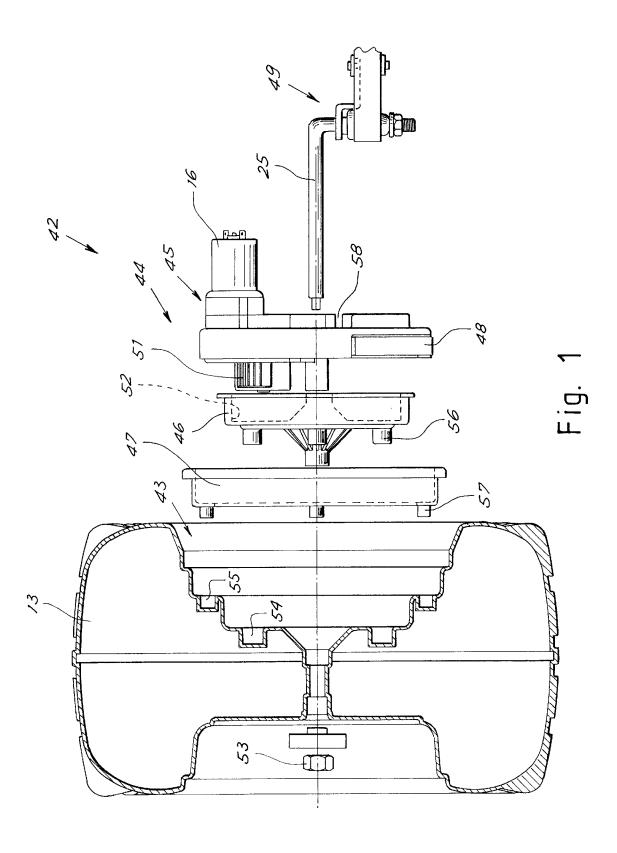
2,122,924

2,581,554

Dynacraft BSC, Inc.

Exhibit 1004

Dynacraft v. Mattel IPR2018-00042





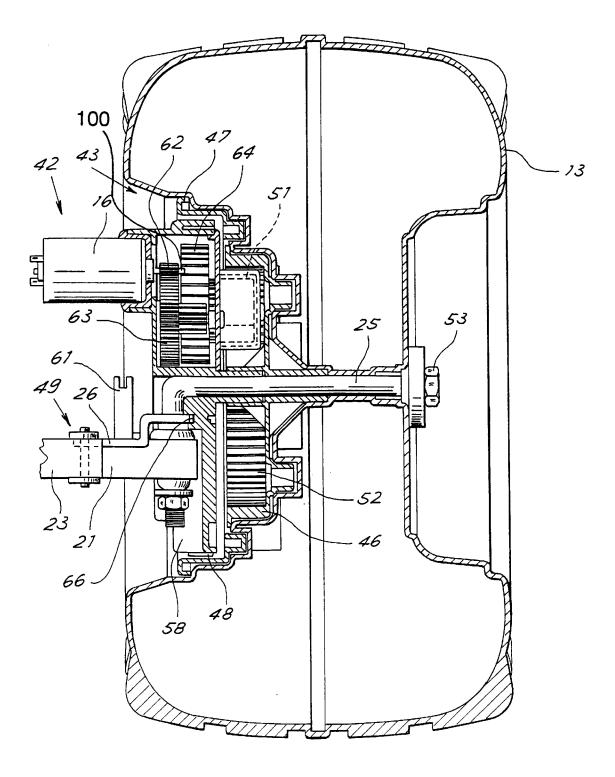
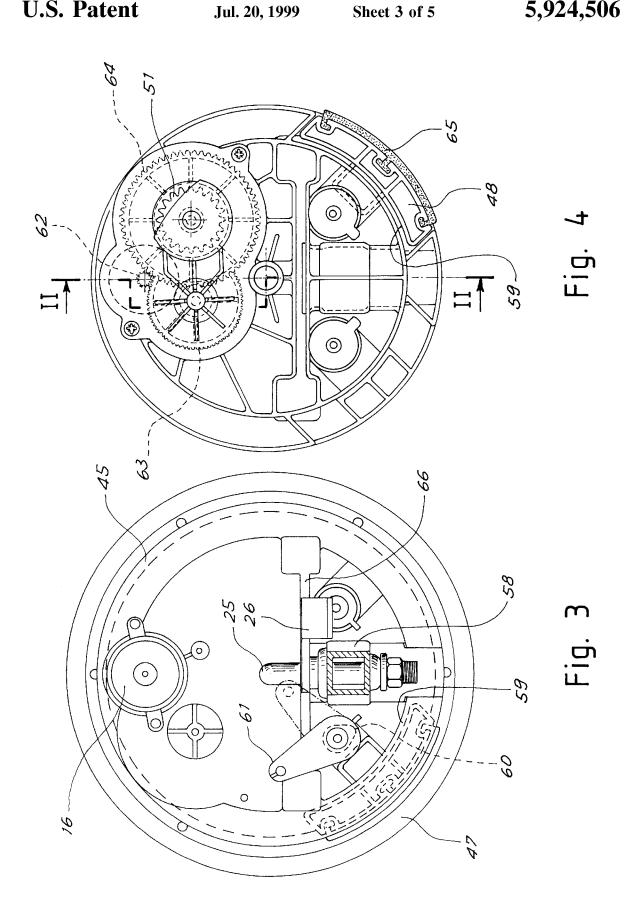
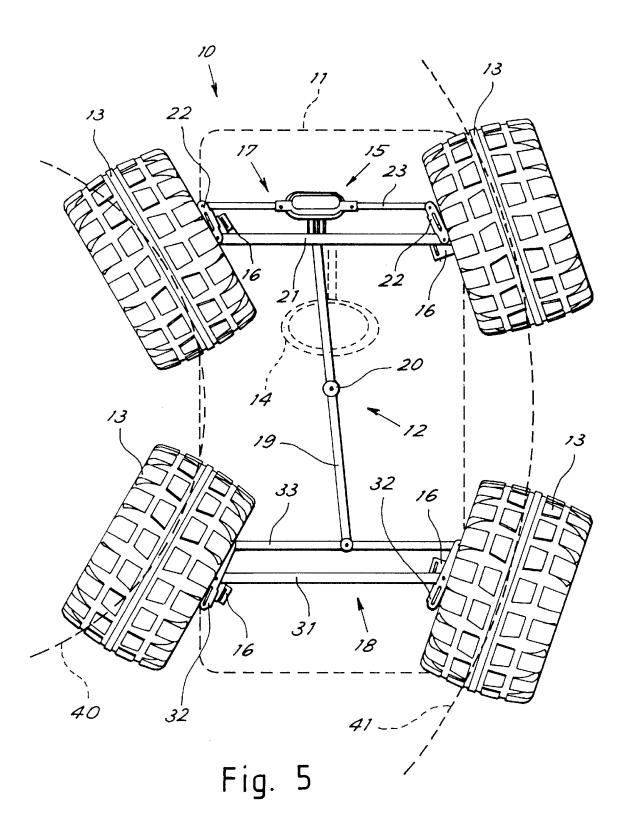


Fig. 2







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