



US005901916A

**United States Patent** [19]  
**McAllister et al.**

[11] **Patent Number:** **5,901,916**  
[45] **Date of Patent:** **May 11, 1999**

[54] **TAPE CARTRIDGE REEL LOCK**  
[75] Inventors: **Jeffrey S. McAllister; Thomas W. von Alten**, both of Boise, Id.  
[73] Assignee: **Hewlett-Packard Company**, Palo Alto, Calif.

3,894,796	7/1975	Cook et al.	242/342
4,033,523	7/1977	Roman	242/338.1
4,832,285	5/1989	Oishi et al.	242/338.3
4,896,238	1/1990	Oogi et al.	242/345.2
5,027,249	6/1991	Johnson et al.	242/345.2
5,297,754	3/1994	Albrecht et al.	242/343
5,400,981	3/1995	Rambosek et al.	242/348
5,436,782	7/1995	Sieben	242/338.1

[21] Appl. No.: **09/033,352**

*Primary Examiner*—John P. Darling

[22] Filed: **Mar. 2, 1998**

[57] **ABSTRACT**

[51] **Int. Cl.<sup>6</sup>** ..... **G11B 23/087**

[52] **U.S. Cl.** ..... **242/348; 242/338.1; 242/343; 242/345.2**

[58] **Field of Search** ..... **242/338, 338.1, 242/343, 343.1, 343.2, 348; 360/132, 134**

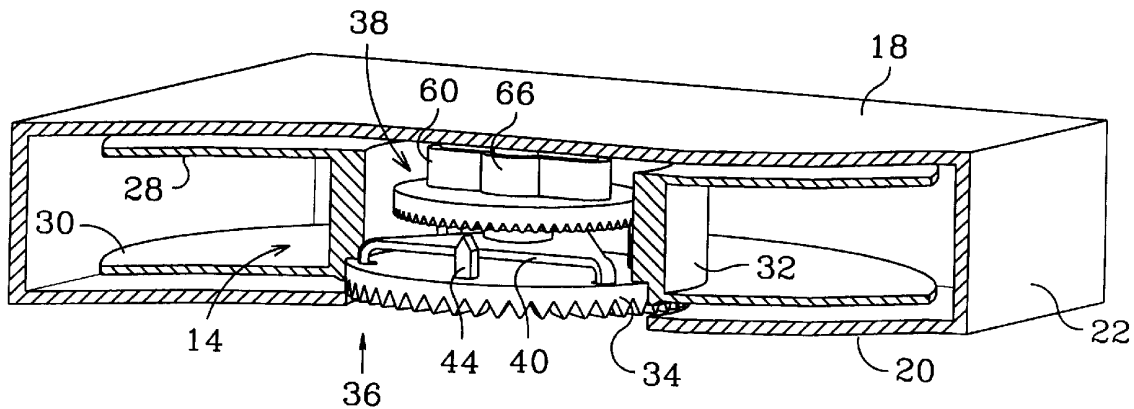
A tape cartridge and reel lock that allows the reel lock to be released away from the center of rotation of the tape reel while keeping the frictional interface between the moving and fixed parts at the center of rotation of the reel. The tape cartridge includes a housing, a tape reel rotatably disposed in the housing, a tape drive interface on the reel, a rotatably fixed locking member operatively coupled to the reel and a release mechanism engagable by the tape drive at the tape drive interface on the reel. The release mechanism is movable between a first position in which the release mechanism is not engaged by the tape drive and the locking member is locked and a second position in which the tape drive engages the release mechanism and the locking member is unlocked.

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

3,066,880	12/1962	Bauer	242/338.1
3,625,455	12/1971	Streets	242/345
3,686,470	8/1972	Stahlberg et al.	242/342
3,706,426	12/1972	Prahl	242/343
3,871,755	3/1975	Wright	242/342
3,873,193	3/1975	Iida et al.	242/342
3,883,090	5/1975	Hall, Sr.	242/340

**17 Claims, 7 Drawing Sheets**



SONY Exhibit 1005  
SONY v. FUJI

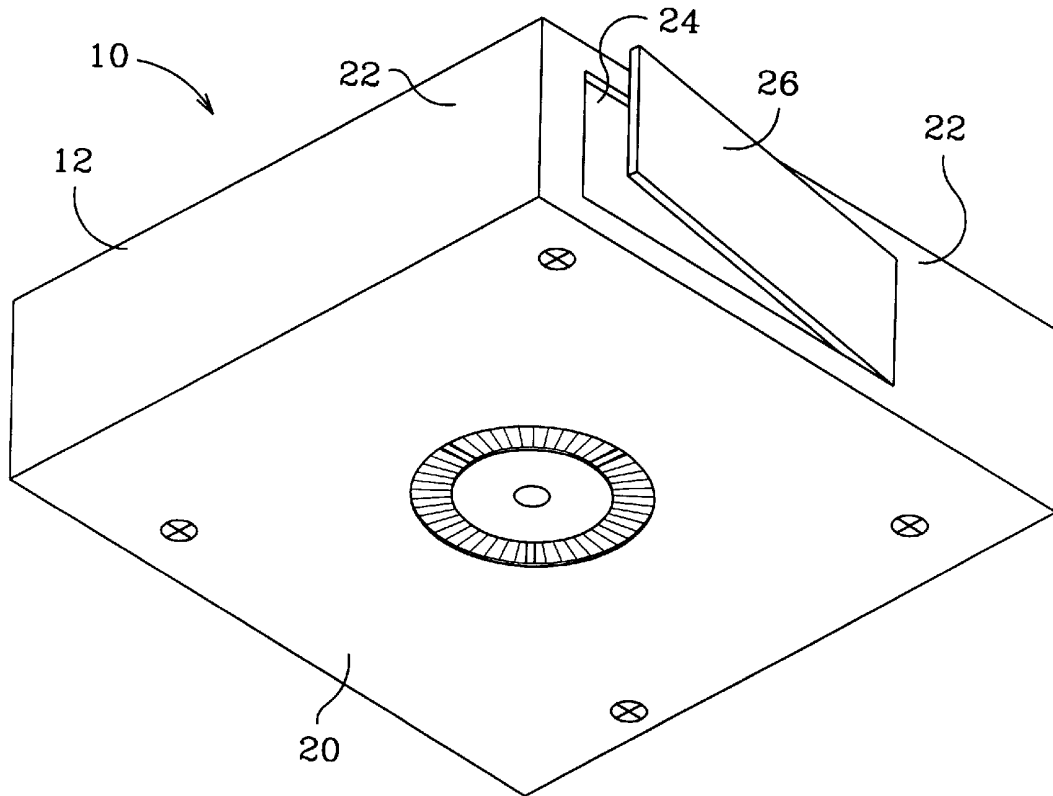


FIG. 1

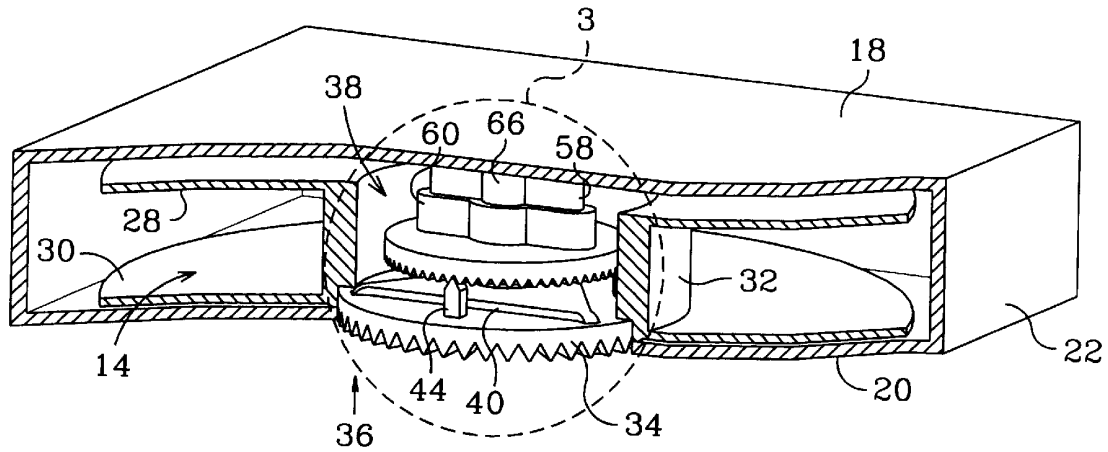


FIG. 2A

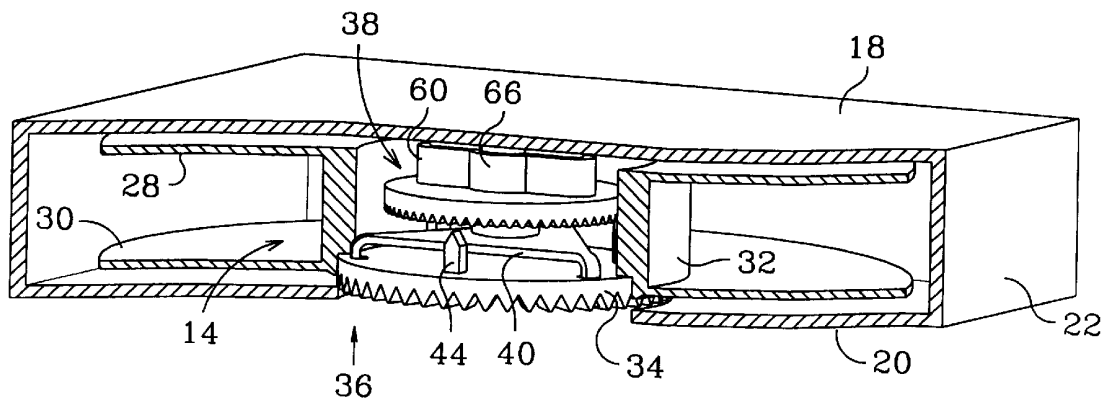


FIG. 2B

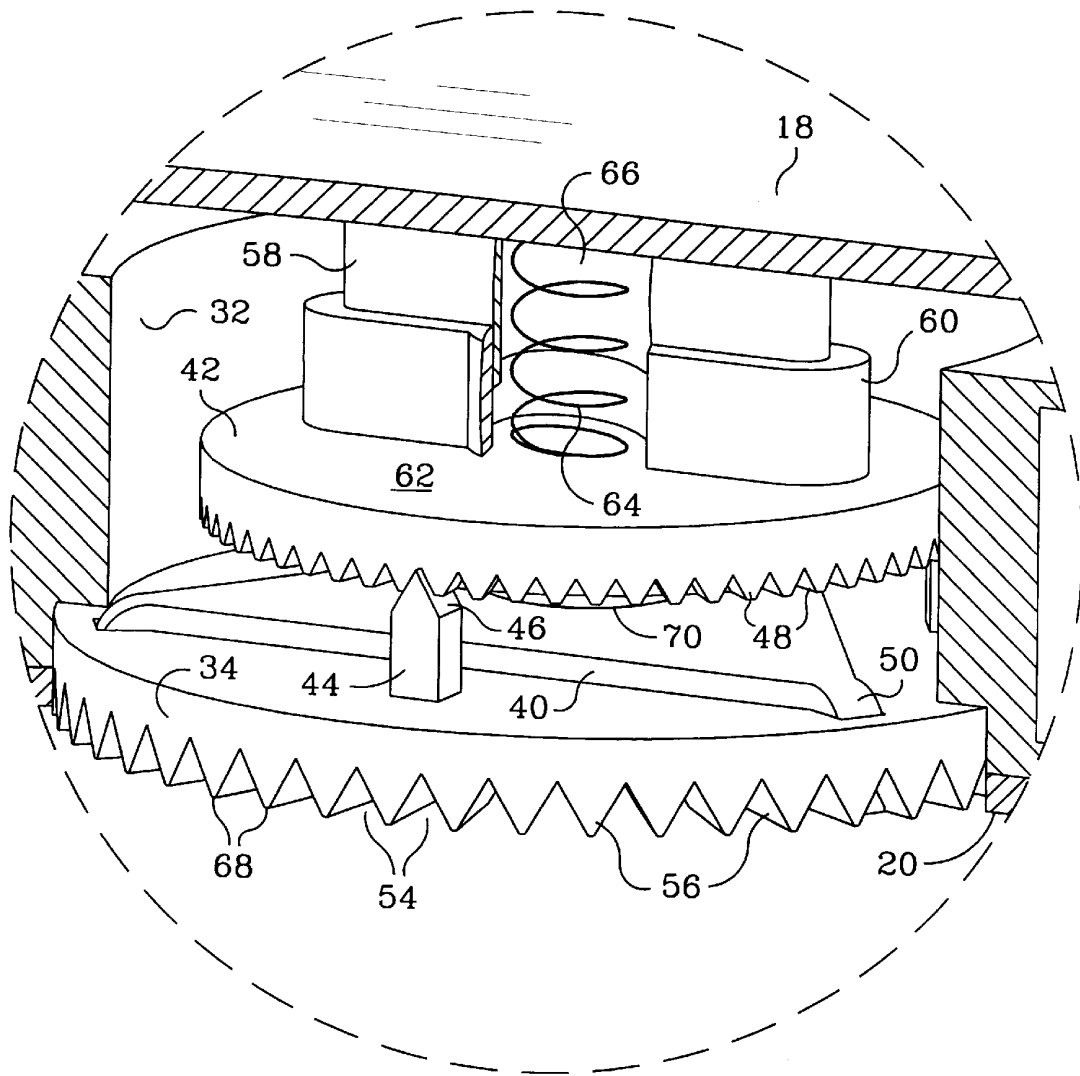


FIG. 3

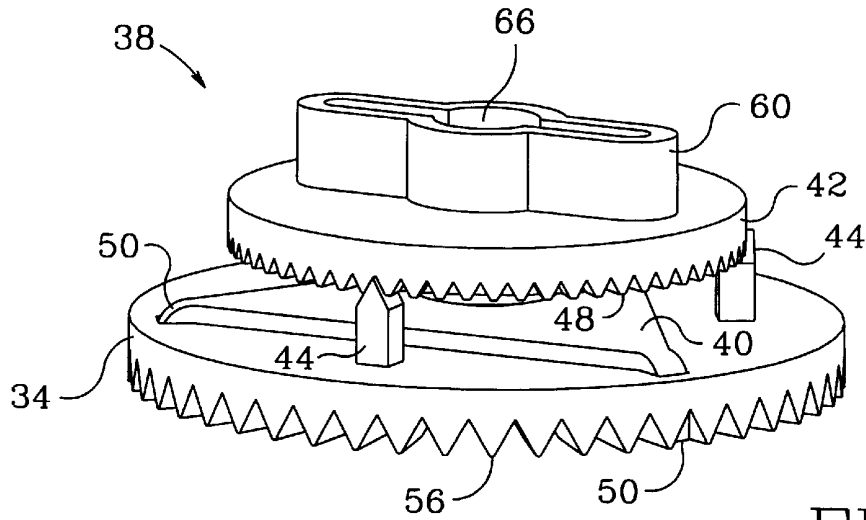


FIG. 4A

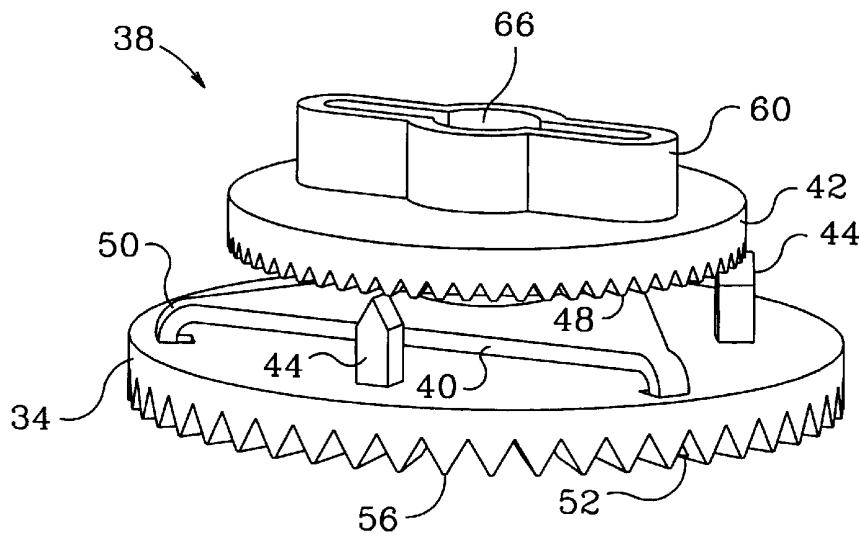


FIG. 4B

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