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**Saliba et al.**

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(54) **TAPE REEL FOR MINIMIZING PRINT THROUGH**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.**<sup>7</sup> ..... **G11B 15/66**

(52) **U.S. Cl.** ..... **242/332.7; 242/332.4; 242/349; 242/335**

(58) **Field of Search** ..... **242/332.7, 332.8, 242/345, 348.1, 613.2, 332.4, 532.1, 582, 349, 335**

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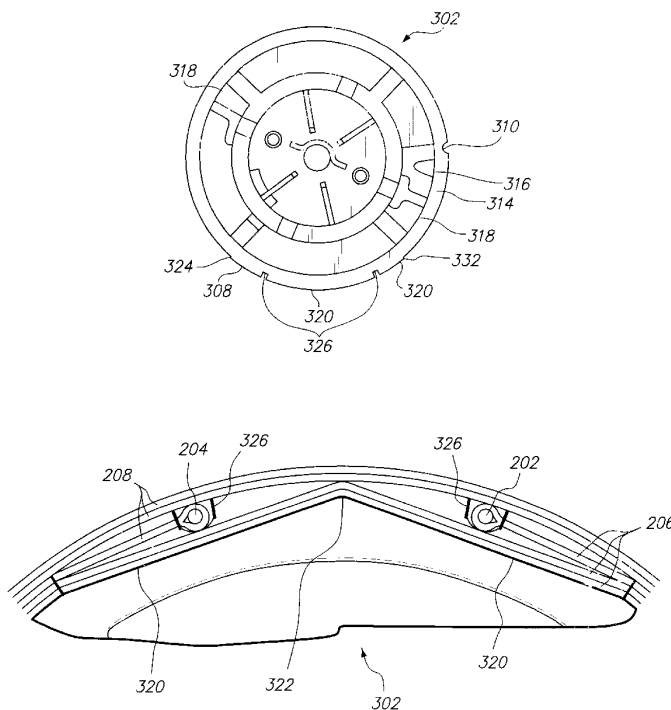
*Primary Examiner*—John Q. Nguyen

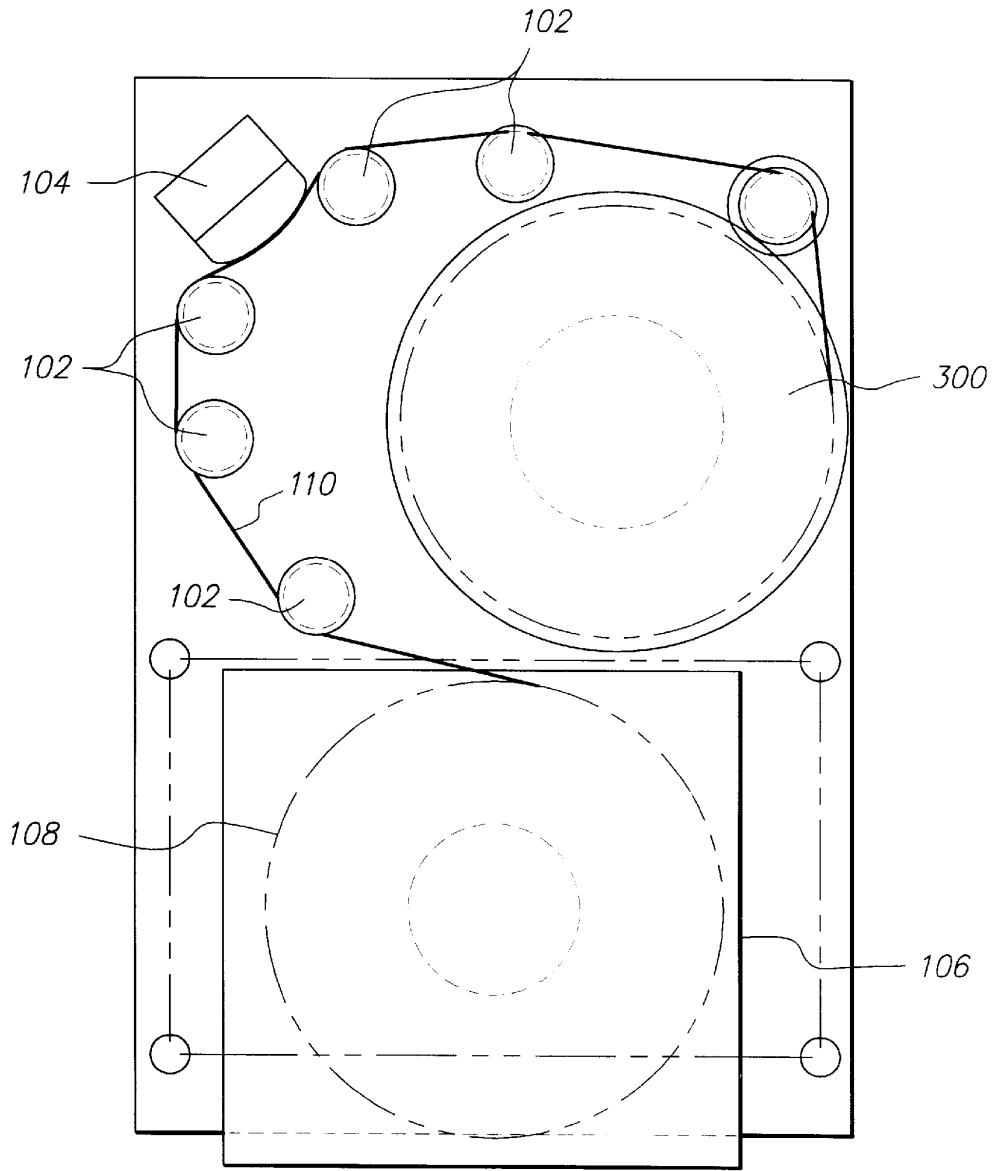
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(57) **ABSTRACT**

A take-up reel for use in a tape drive for minimizing print through errors, or data transfer from one layer of tape on the take-up reel to an adjacent layer of tape on the take-up reel. The take-up reel is configured to allowing portions of the buckle, coupling the take-up leader to the supply leader, to recess into the take-up reel. The relatively even and concentric configuration of leaders tape and buckle when wound onto the take-up reel prevents the application of significant non-uniform pressure to the data tape wound thereover, which reduces print through sources of data error.

**20 Claims, 6 Drawing Sheets**





100 ↗

**FIG. 1**

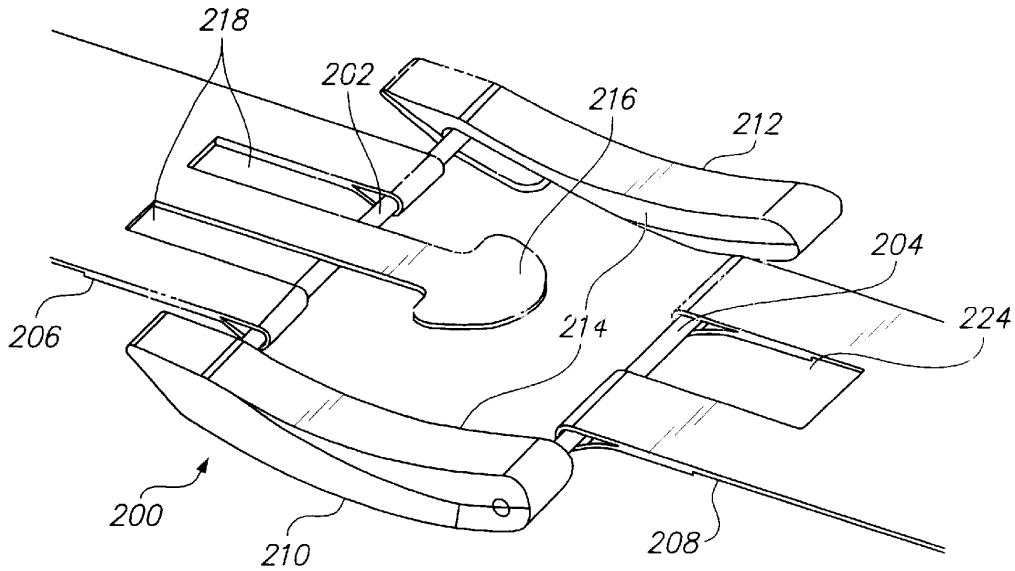


FIG. 2a

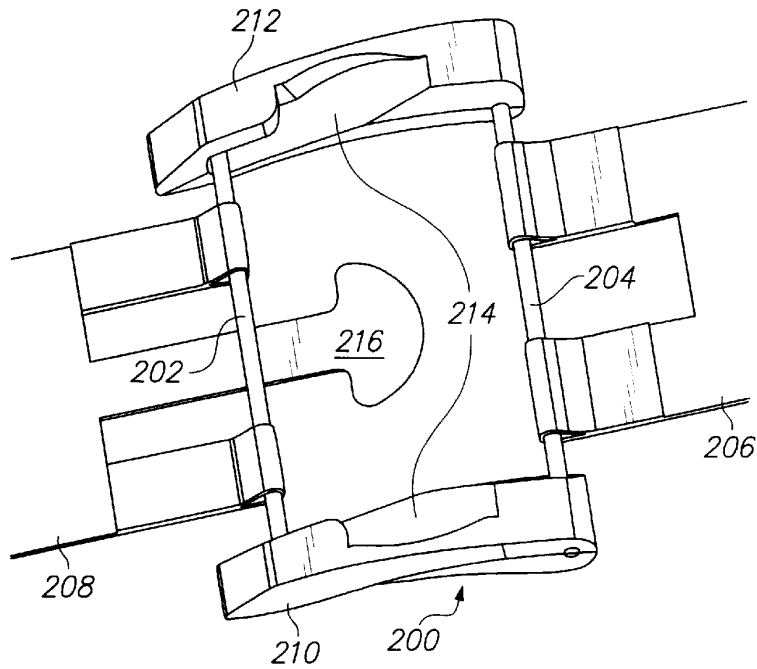
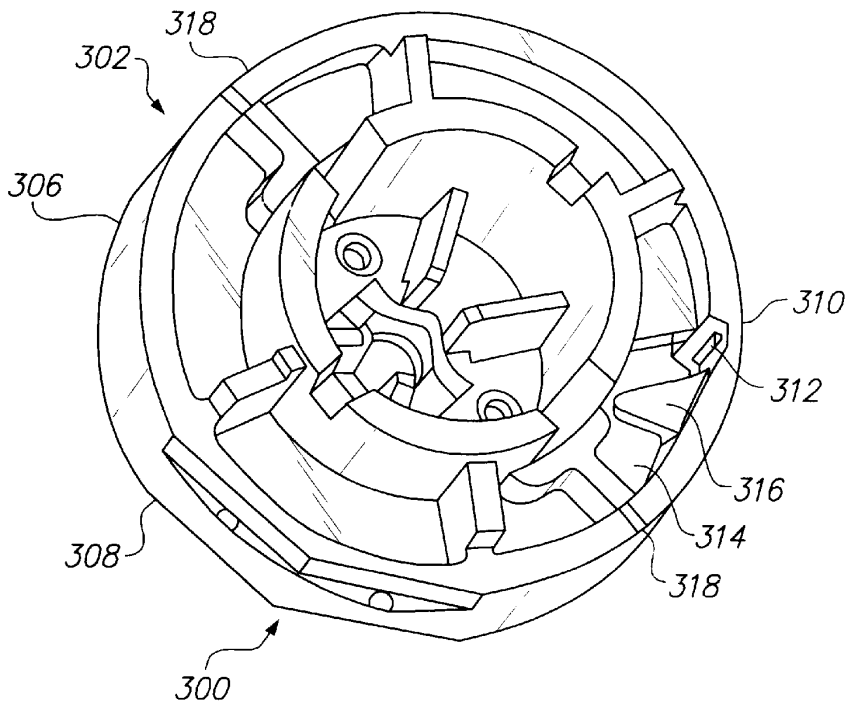
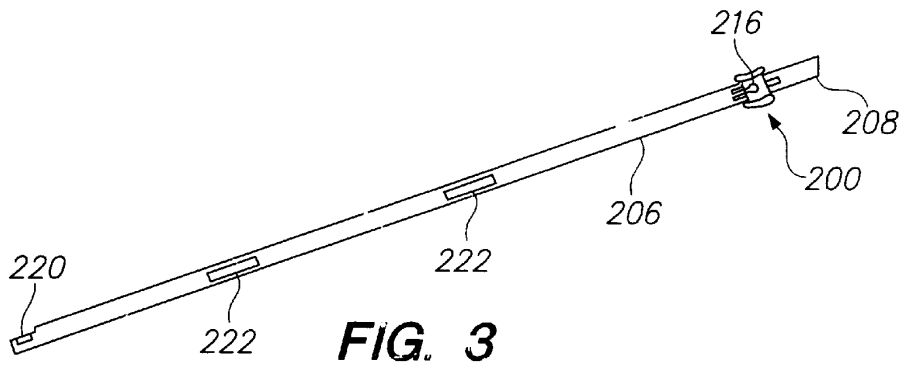


FIG. 2b



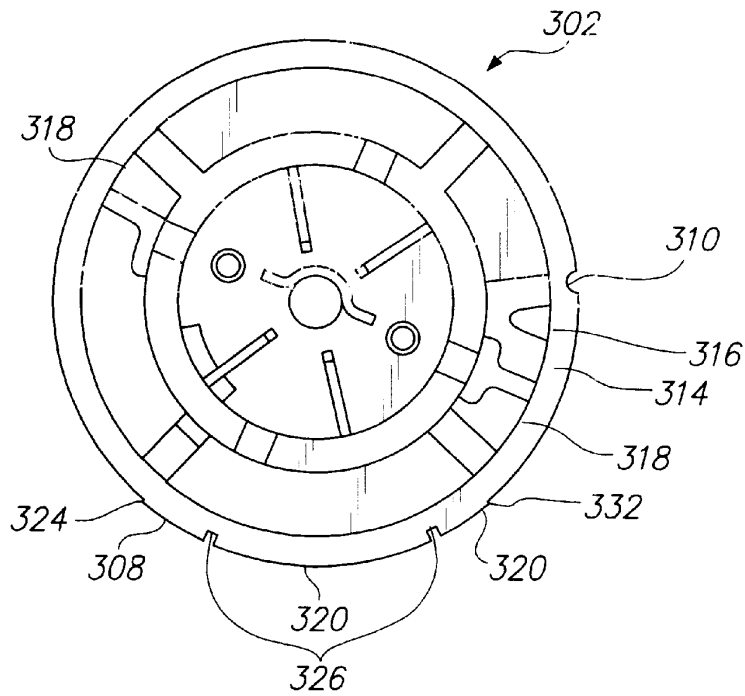


FIG. 5

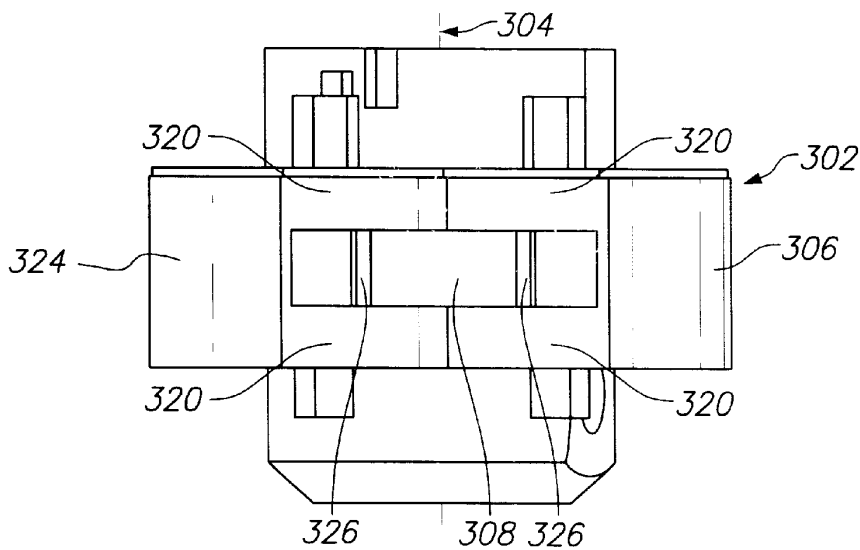


FIG. 6

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