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Avitan

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[54] **VARIABLE RATIO STEERING SYSTEM FOR A MOTOR VEHICLE**

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[75] Inventor: **Isaac Avitan**, Vestal, N.Y.

Primary Examiner—Gary Chin
Attorney, Agent, or Firm—Salzman & Levy

[73] Assignee: **Raymond Corporation**, Greene, N.Y.

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[57] **ABSTRACT**

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The invention features an electronic feedback circuit for varying the steering ratio of a motorized material handling vehicle in response to the vehicular speed. The lock-to-lock turn of the steering wheel or column is electronically adjusted in order to modify the steering response (i.e., steering angle) of the steer/drive wheel with respect to an increase in speed of the vehicle. The steering ratio can be a straight-line function of vehicular speed.

[51] Int. Cl.⁵ **B62D 5/04**

[52] U.S. Cl. **364/424.05; 180/79.1; 180/142**

[58] Field of Search **364/424.05; 280/91; 180/79.1, 140, 141, 142, 143**

[56] **References Cited**

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11 Claims, 5 Drawing Sheets

