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Arendt et al.

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(54) **BLOW-MOLDED WHEELS HAVING UNDERCUT TREADS, METHODS FOR PRODUCING THE SAME, AND CHILDREN'S RIDE-ON VEHICLES INCLUDING THE SAME**

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

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(Continued)

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Primary Examiner—Lesley D Morris
Assistant Examiner—Michael R Stabley

(65) **Prior Publication Data**

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(74) *Attorney, Agent, or Firm*—Dascenzo Intellectual Property Law, P.C.

(51) **Int. Cl.**
B60N 2/427 (2006.01)

(57) **ABSTRACT**

(52) **U.S. Cl.** **280/29**; 152/209.1

(58) **Field of Classification Search** 280/29;
264/454; 152/209.1

See application file for complete search history.

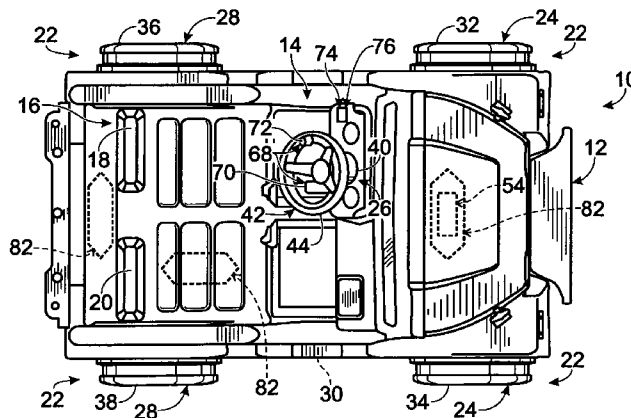
Improved blow-molded wheels, methods for producing the same, and children's ride-on vehicles including the same are disclosed. The blow-molded wheels may include a blow-molded body that has a tread surface, first and second sidewalls and an axis. The body may be configured to rotate about the axis. The tread surface may extend circumferentially around the body and may extend between the first and second sidewalls. A first region of the tread surface may be disposed between the first sidewall and a part line of the blow-molded body. A second region of the tread surface may be disposed between the first region and the part line. A first radial distance from the axis to the first region may exceed a second radial distance from the axis to the second region by at least a first predetermined threshold.

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20 Claims, 6 Drawing Sheets



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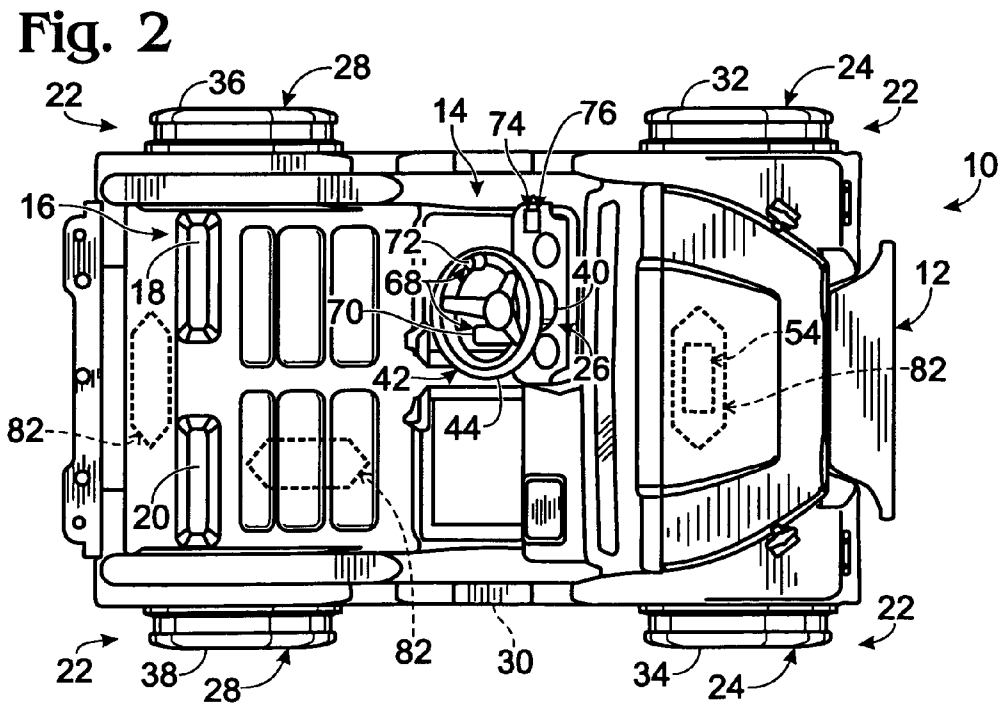
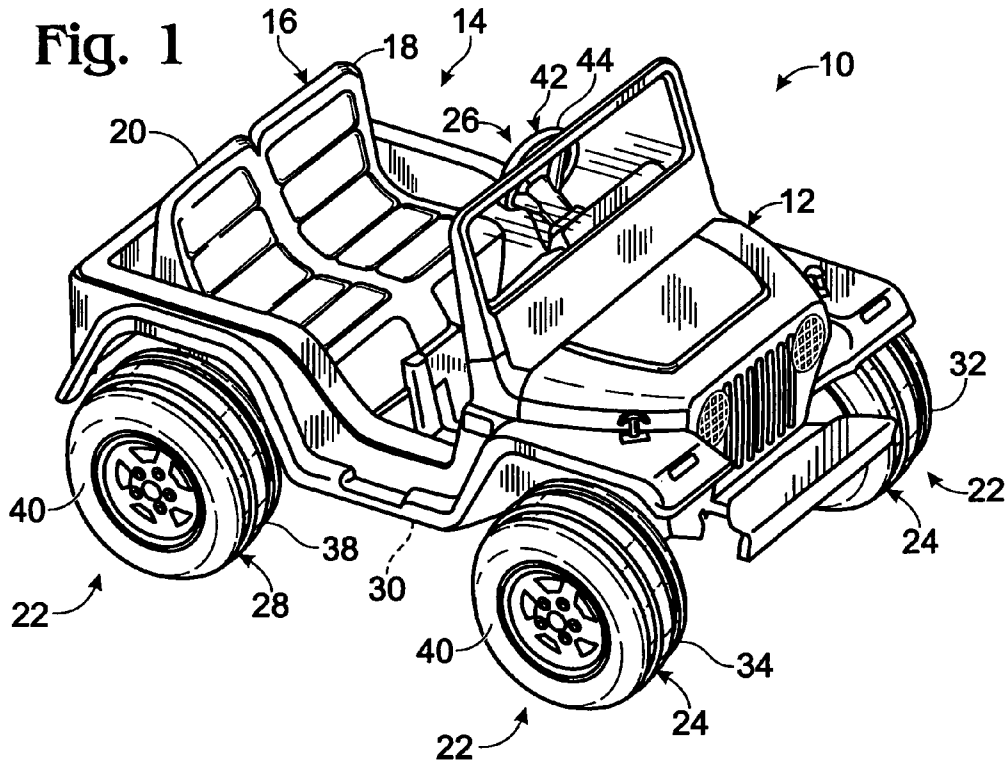


Fig. 3

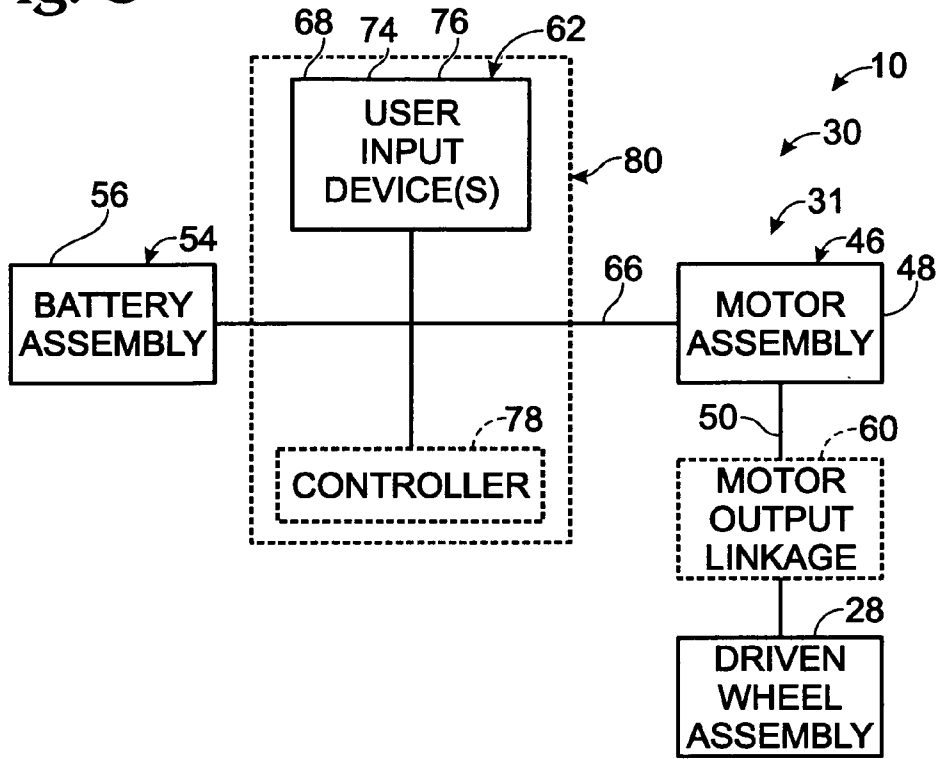


Fig. 4

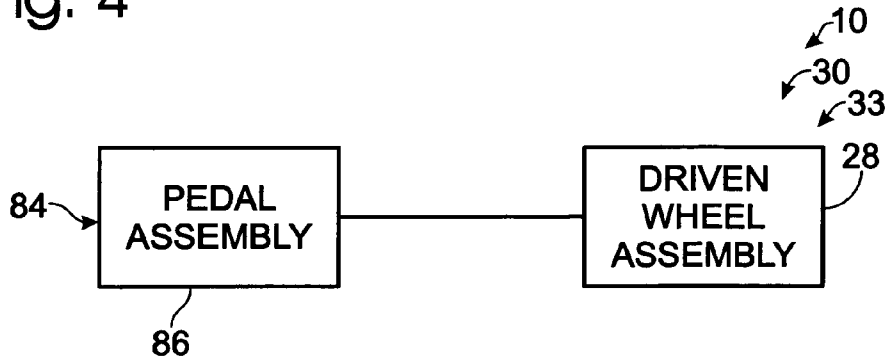


Fig. 5

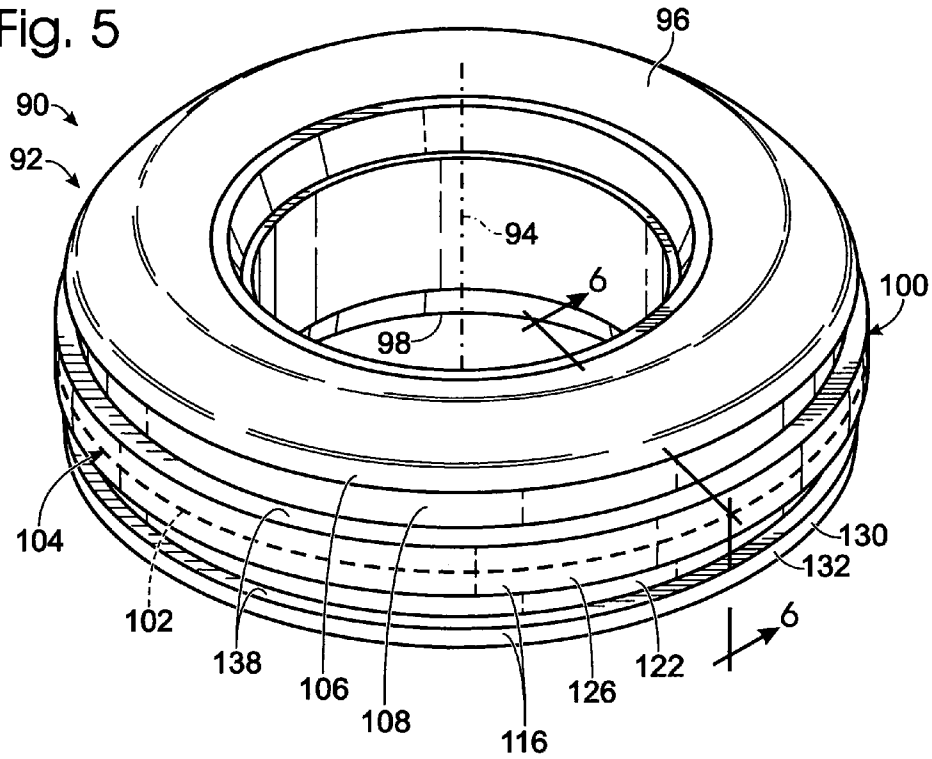
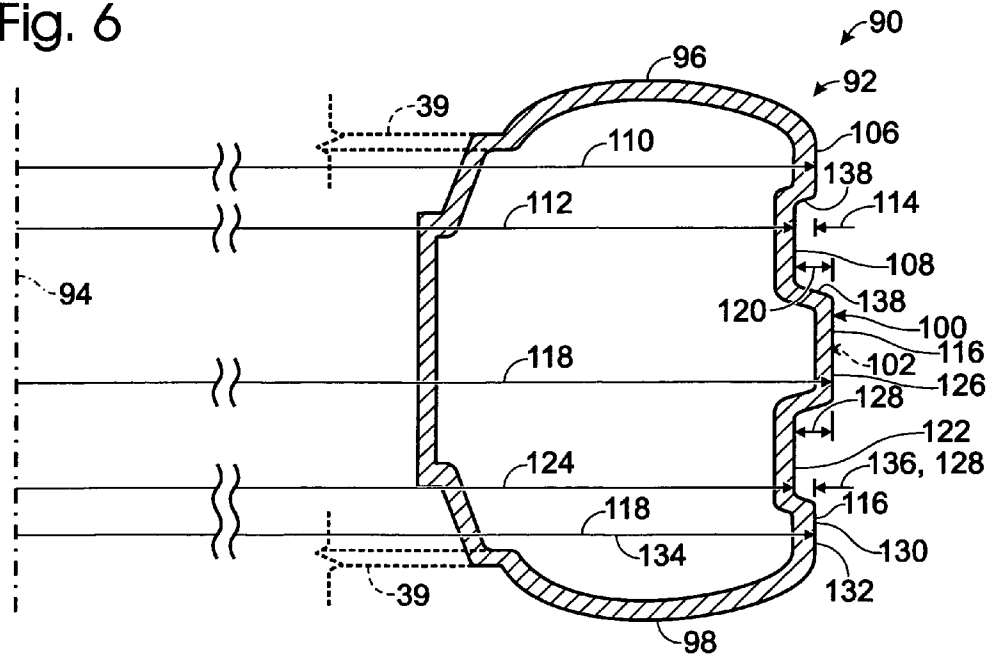


Fig. 6



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