

MODULAR RIDING VEHICLE

ABSTRACT

A front assembly for use with a rear module to form a riding vehicle is disclosed. The front assembly includes an elongate frame, a mount disposed beneath the elongate frame, a head assembly with a front wheel and handlebar, and a seat mounted relative to the elongate frame. The elongate frame terminates in two laterally spaced apart prongs removably securable to connectors of the rear module. The connectors and elongate frame together constitute a bicycle frame. The riding vehicle may be convertible between different configurations, such as a balance bicycle and a pedal bicycle, by interchanging rear modules. The rear modules may have different wheel sizes and connector geometries while maintaining compatibility with the front assembly. The riding vehicle may include features for partially encasing the mount in different configurations and may be foldable for compact storage.

[Figure 1]