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Kamen et al.

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(54) **CONTROL OF A PERSONAL TRANSPORTER
BASED ON USER POSITION**

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patent is extended or adjusted under 35
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This patent is subject to a terminal dis-
claimer.

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See application file for complete search history.

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(57) **ABSTRACT**

An apparatus controller for prompting a rider to be positioned
on a vehicle in such a manner as to reduce lateral instability
due to lateral acceleration of the vehicle. The apparatus has an
input for receiving specification from the rider of a desired
direction of travel, and indicating means for reflecting to the
rider a propitious instantaneous body orientation to enhance
stability in the face of lateral acceleration. The indicating may
include a handlebar that is pivotable with respect to the
vehicle and that is driven in response to vehicle turning.

18 Claims, 21 Drawing Sheets

