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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2006/0262103 A1**
Hu et al. (43) **Pub. Date: Nov. 23, 2006**(54) **HUMAN MACHINE INTERFACE METHOD
AND DEVICE FOR CELLULAR TELEPHONE
OPERATION IN AUTOMOTIVE
INFOTAINMENT SYSTEMS****Related U.S. Application Data**

- (63) Continuation-in-part of application No. 11/384,923, filed on Mar. 17, 2006, which is a continuation-in-part of application No. 11/119,402, filed on Apr. 29, 2005.
- (60) Provisional application No. 60/669,951, filed on Apr. 8, 2005.

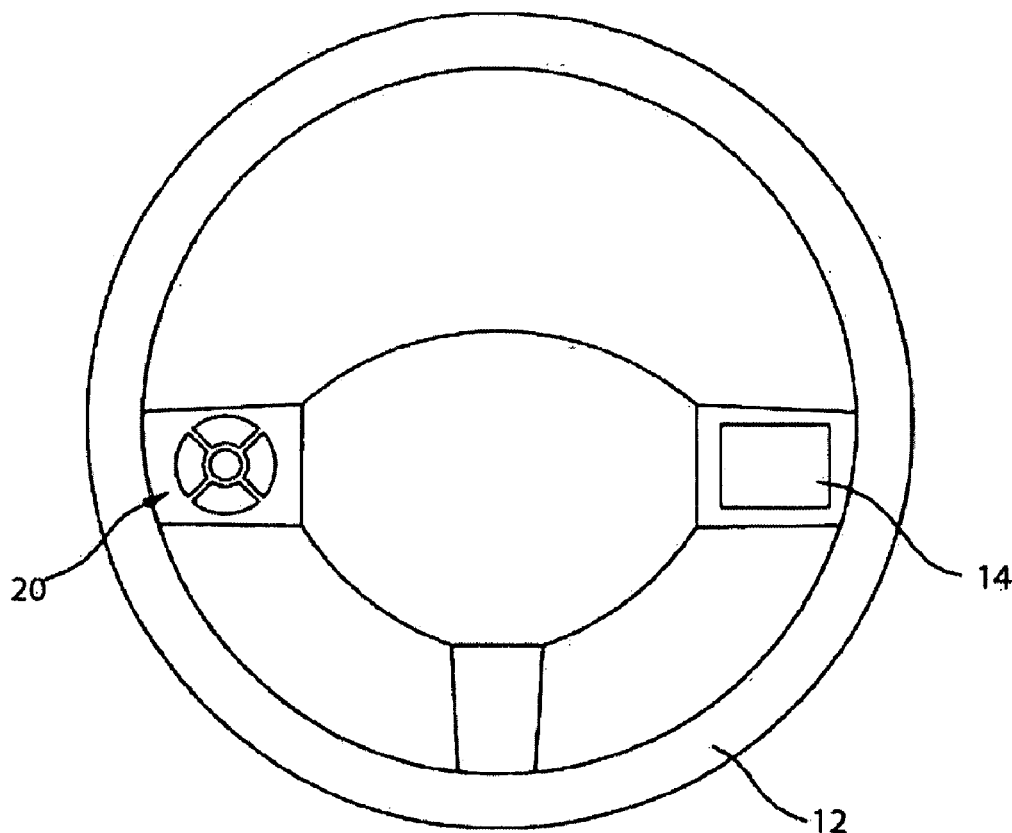
(75) Inventors: **Hongxing Hu**, West Bloomfield, MI (US); **Jie Chen**, Windsor (CA)**Publication Classification**

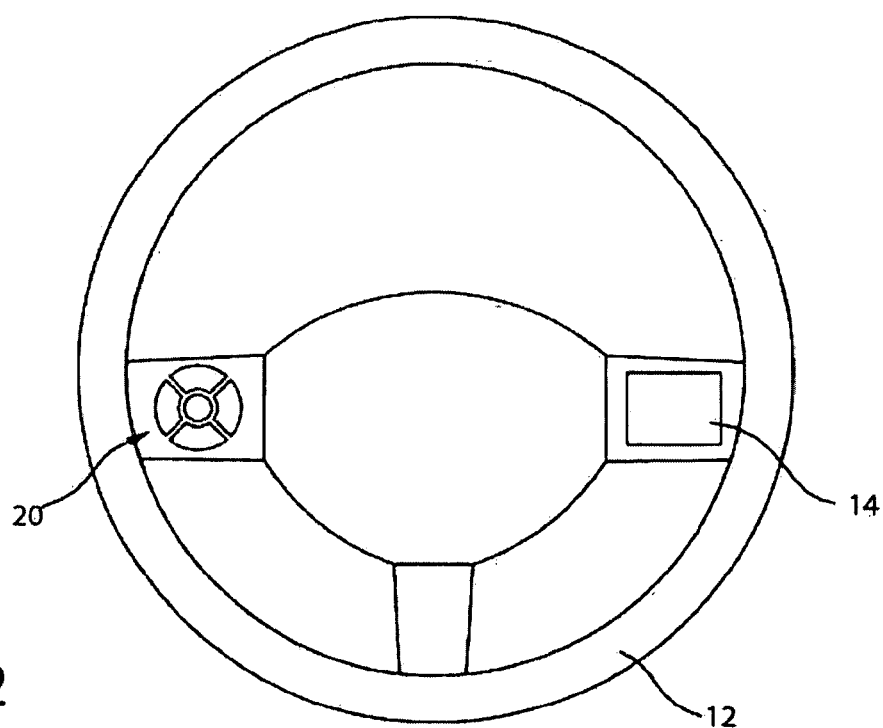
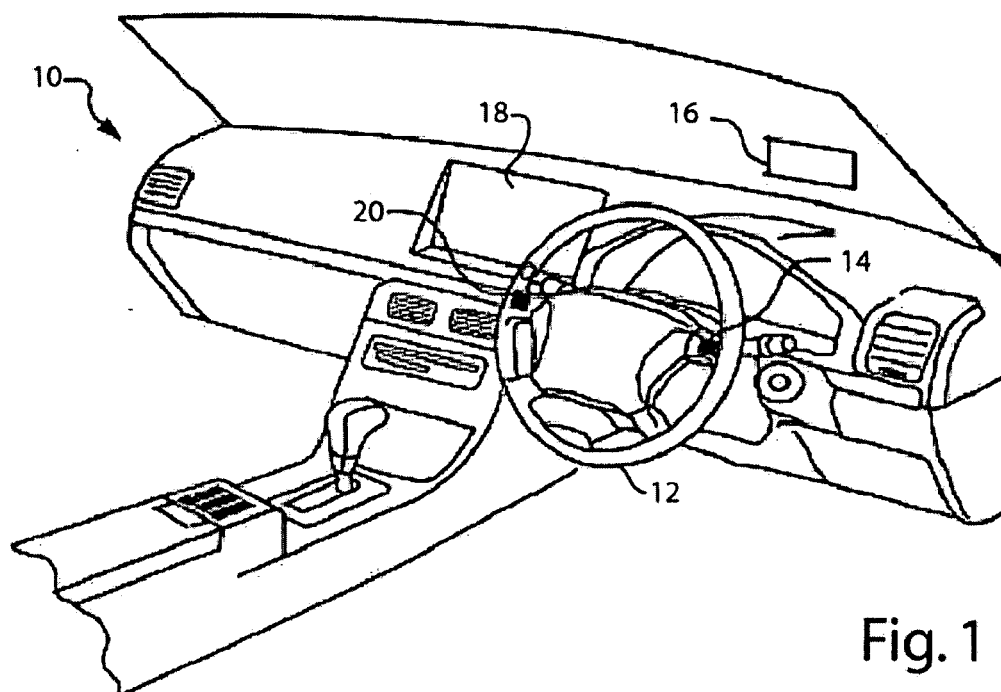
- (51) **Int. Cl.**
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- (52) **U.S. Cl.** **345/173**
- (57) **ABSTRACT**

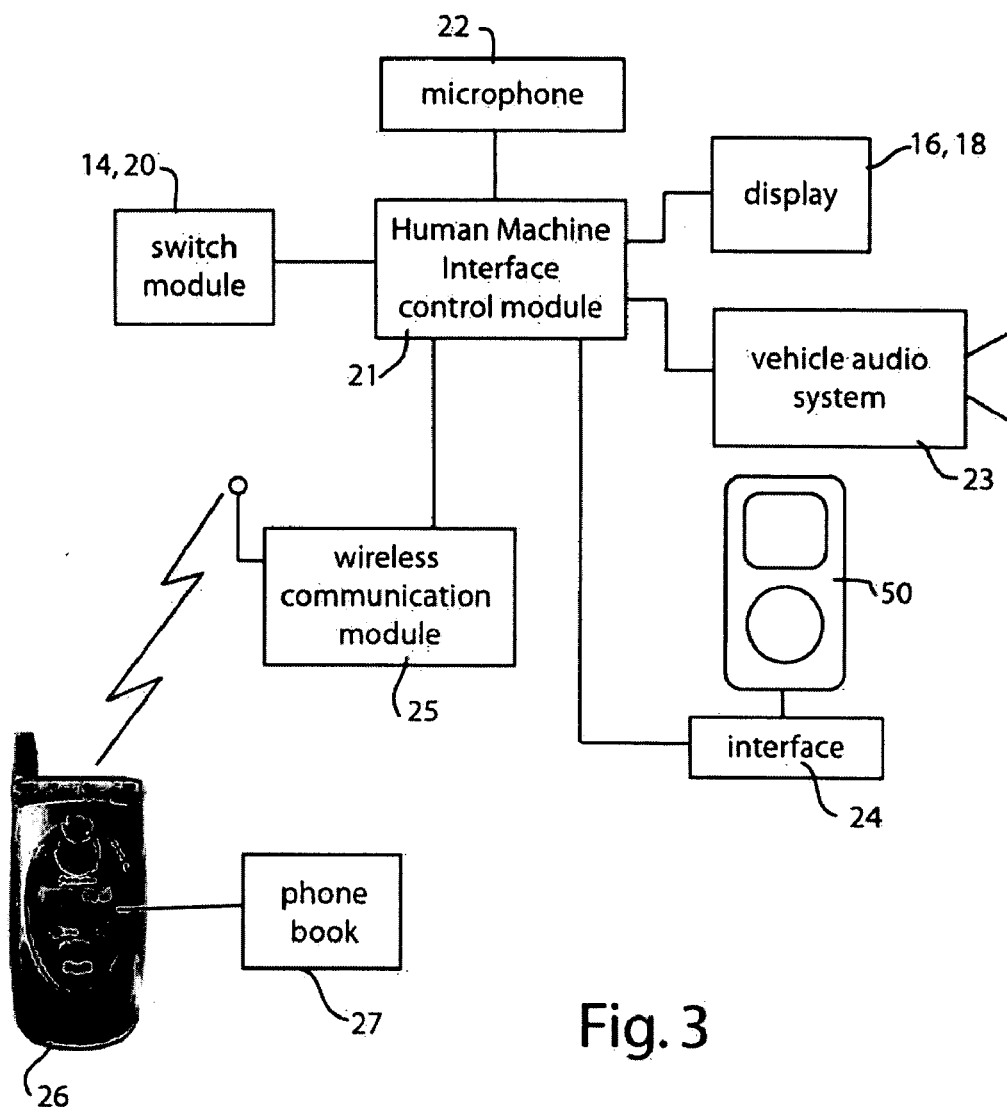
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A system for controlling cellular telephone from within a vehicle, includes a cell phone interface disposed within the vehicle and configured to establish data communication with a cellular telephone disposed within the vehicle. A touchpad supplies input from a vehicle occupant including at least motion vectors. A control unit coupled to the cell phone interface effects data communication with the cellular telephone via the cell phone interface at least in part in response to the motion vectors.







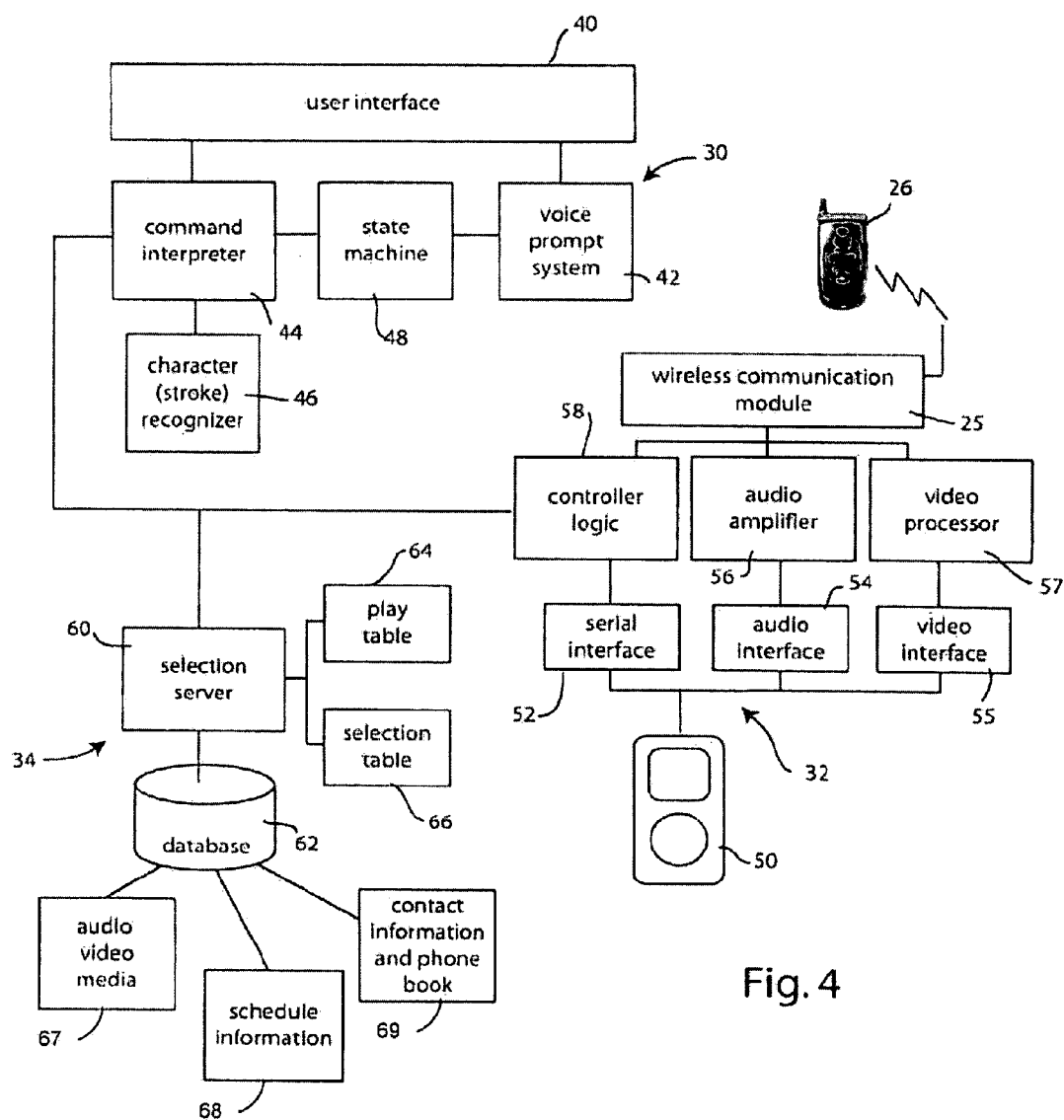


Fig. 4

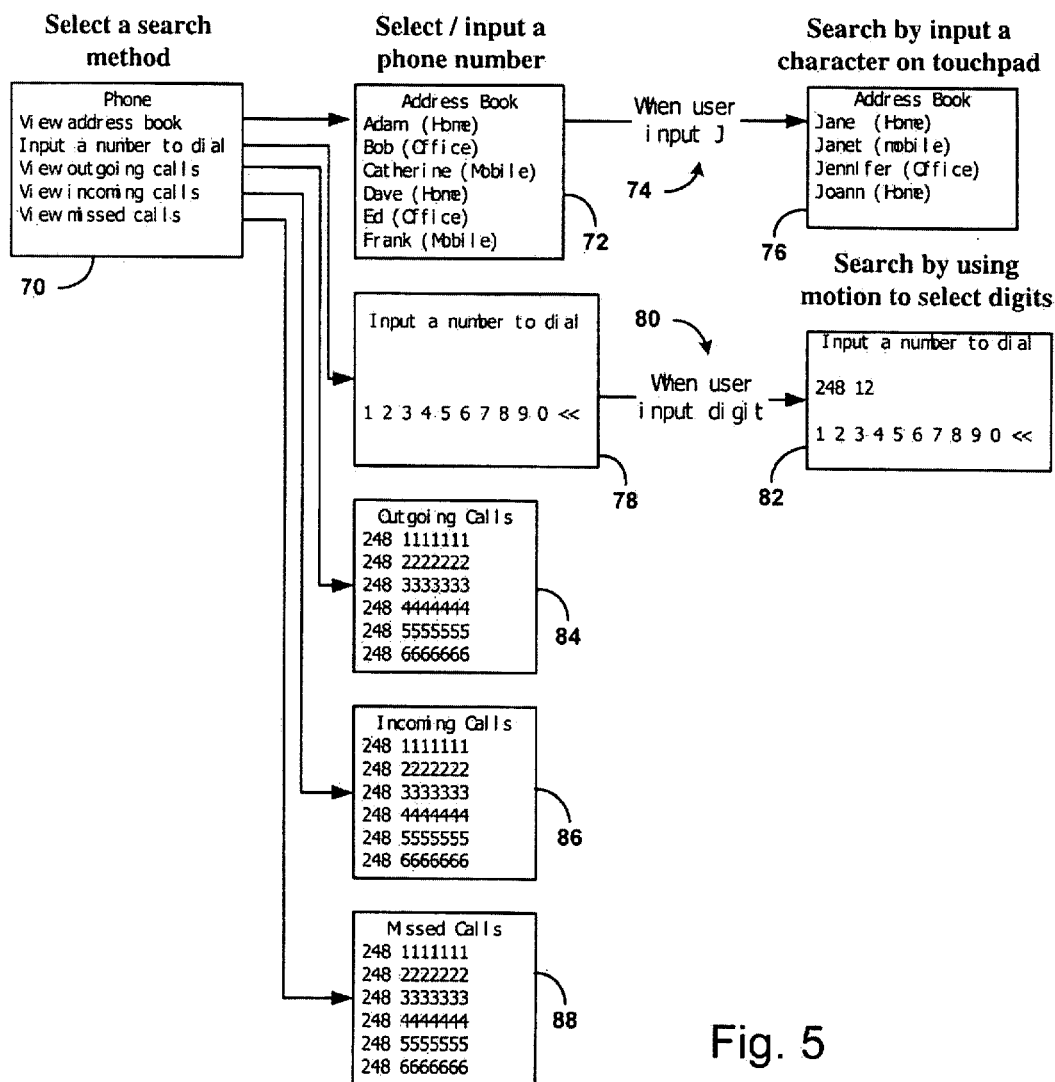


Fig. 5

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