

Exhibit 1

(12) **United States Patent**
Preston et al.

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(54) **OPEN COMMUNICATION SYSTEM FOR REAL-TIME MULTIPROCESSOR APPLICATIONS**

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(73) Assignee: **Medius, Inc.**, Seattle, WA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.⁷** **G06F 7/00**

(52) **U.S. Cl.** **701/70; 701/33; 701/36; 307/9.1**

(58) **Field of Search** **701/70, 33, 36, 701/45, 41; 340/425.5; 307/9.1, 10.1, 10.2; 709/400**

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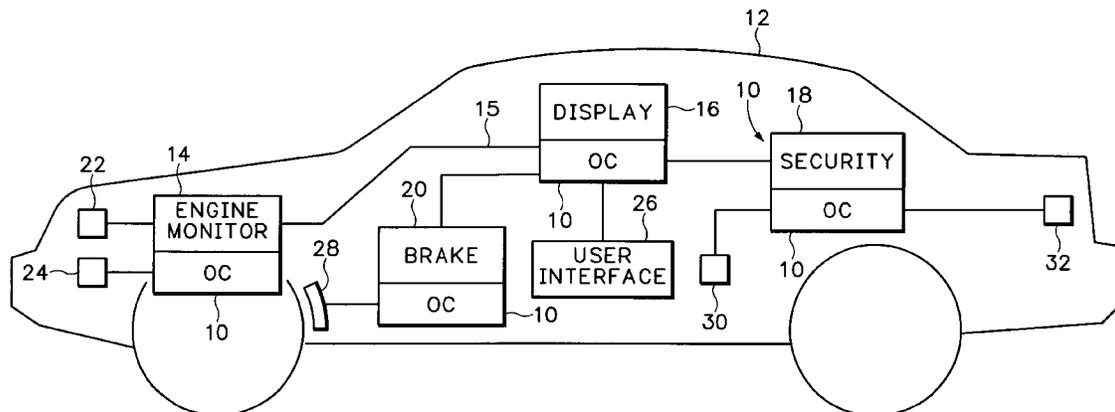
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(57) **ABSTRACT**

A communication system for a mobile vehicle, home, or office environment includes multiple processors. The multiple processors each run an Open Communication system that controls how data is transferred between processors based on data content as opposed to the links that connect the processors together. The open communication system enables data or messages to be effectively transferred and processed for real-time applications or other server based applications that may be running on the multiple processors in a secure environment regardless of processors, locations, or data links.

30 Claims, 9 Drawing Sheets



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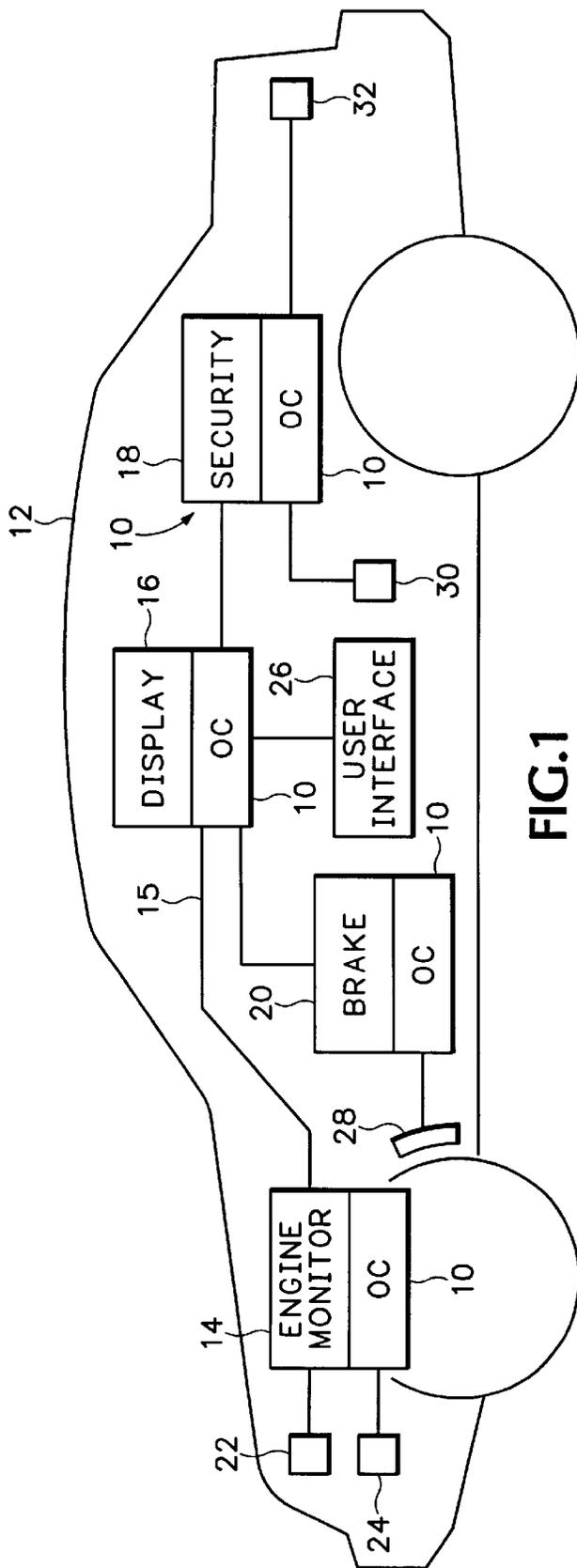


FIG. 1

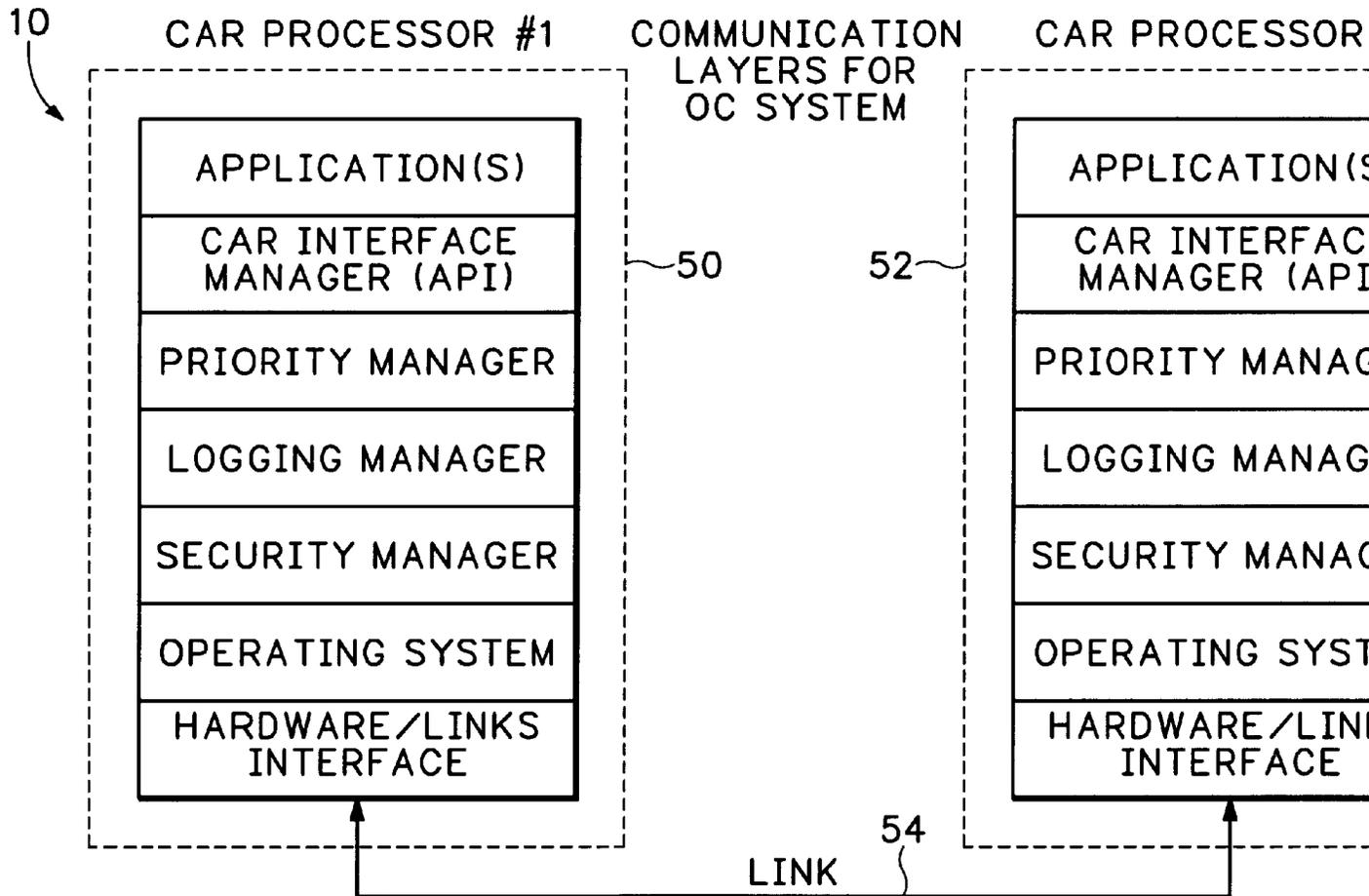


FIG.2

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