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# Exhibit 2

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US006778073B2

## (12) United States Patent

#### Lutter et al.

#### (54) METHOD AND APPARATUS FOR MANAGING AUDIO DEVICES

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- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 09/892,295
- (22) Filed: Jun. 26, 2001

#### (65) **Prior Publication Data**

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- (51) Int. Cl.<sup>7</sup> ..... B60Q 1/00

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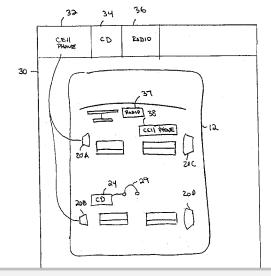
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#### (57) **ABSTRACT**

A vehicle audio system includes a wireless audio sensor configured to wirelessly detect different portable audio sources brought into the vehicle. Audio output devices are located in the vehicle for outputting audio signals from the different audio sources. A processor selectively connects the different audio sources to the different audio output devices. In another aspect, the audio system includes object sensors that detect objects located outside the vehicle. The processor generates warning signals that are output from the different audio output devices according to where the objects are detected by the object sensors.

#### 21 Claims, 8 Drawing Sheets



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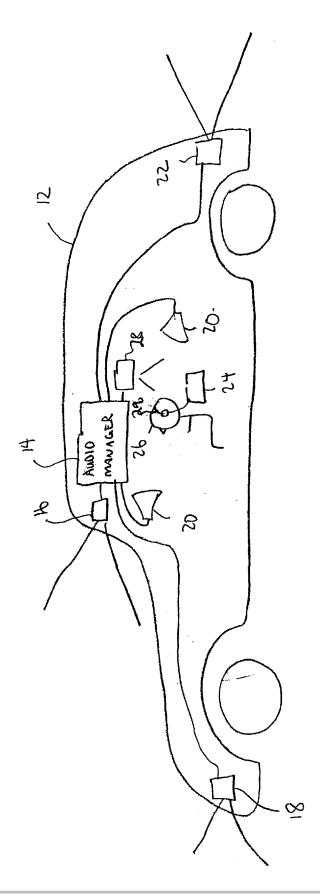
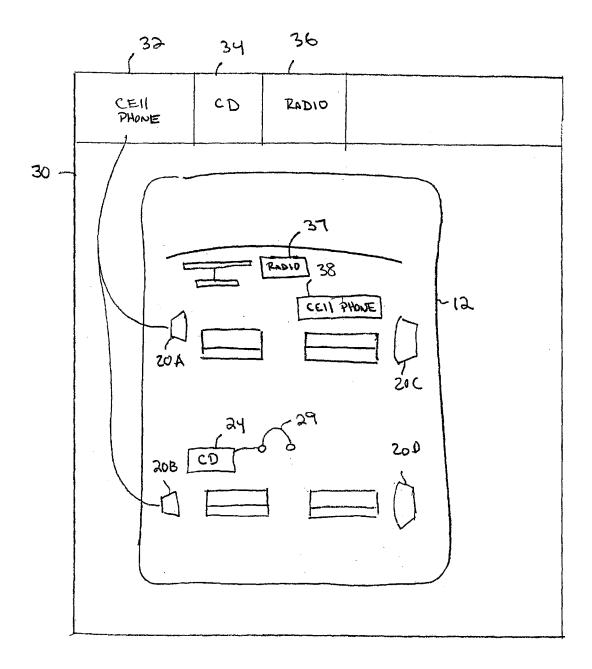


FIG.J

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