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**Arita et al.**

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(54) **VEHICLE APPROACH NOTIFICATION SOUND GENERATING APPARATUS**

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CPC ..... **B60Q 5/008** (2013.01); **G01S 3/8086** (2013.01); **G10K 15/02** (2013.01); **B60Q 1/506** (2013.01); **B60Q 5/00** (2013.01)

(58) **Field of Classification Search**  
None  
See application file for complete search history.

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(57) **ABSTRACT**

An object of the present invention is to provide a vehicle approach notification sound generating apparatus that communicates with another vehicle so as to be capable of generating a vehicle approach notification sound different from another vehicle. The vehicle approach notification sound generating apparatus of the present invention includes a vehicle approach notification sound acquiring unit that acquires the vehicle approach notification sound output from another vehicle, a similarity distance calculating unit that calculates a similarity distance between the vehicle approach notification sound of the own vehicle output from a vehicle approach notifying unit and the vehicle approach notification sound of another vehicle acquired by the vehicle approach notification sound acquiring unit, a communication unit that is communicable with another vehicle, and a controller that communicates with another vehicle via the communication unit, makes adjustment whether the vehicle approach notification sound of another vehicle or the own vehicle is to be changed, and when the vehicle approach notification sound of the own vehicle is to be changed, makes control to change the vehicle approach notification sound of the own vehicle so that the similarity distance calculated by the similarity distance calculating unit is a predetermined threshold or more.

**7 Claims, 4 Drawing Sheets**

