

Process to Select Appropriate Sounds to Convey In-cab Driver Alerts

Ayano SAITO Yufuko ABE Ayako SUZUKI

Tomoharu TAKIMOTO Hidefumi NISHIMOTO

The increasing number and variety of sounds emitted inside driving cabs has raised the concern that this may distract drivers. A process has been developed to select sounds and voice messages that match the level of severity of warn of their meanings based on interviews with those responsible for system design, and tests and surveys on on-board staff. The importance of the information to be conveyed was split into four categories (hazard level) according to the likelihood of an accident, and selection criteria were devised for each category. The exemplary sounds and voice messages were shown for each hazard level based on the degree of severity of warn drivers perceive.