

## Hand Carry Item(s) Reminder For Vehicle Passenger

This invention was made because many taxi passengers leave their belongings in the taxi. Private car users sometimes forget to take the things they should take when leaving their cars. Going back to their cars' park to take their things is inconvenient and waste of time.

According to news report, in London, the reported cases of leaving mobile phones solely in taxis is about 10,000 per month. In 2012, 210,000 items were reported to be left in Tokyo taxis by passengers. Similar situations are expected to exist in other cities.

Beginning from early 2014, some Japanese taxis are equipped with cameras and equipment capable to release alarm call when there is passenger's belongings left in the taxi. It calls when the photos of the taxi back seat or trunk area taken before and after the passenger's ride are not identical. That alarm calls the passenger from outside the taxi back to the car to take his/her belongings. Its confirmed disadvantages are:

- 1) The cameras may capture a plastic water bottle, a piece of tissue paper or other litter left by the passenger and cause the alarm. The driver cannot stop the alarm call but has to wait for the passenger's return to check whether his/her belongings is left.
- 2) It requires technician(s) to install it in the taxi.
- 3) It is expensive (installation cost per taxi: US\$500.0; the present installation cost is probably higher).

This invention is better than that Japanese invention in some important respects:

- 1) Its call can be stopped at once by merely a press on a button done by the passenger for stopping the noise disturbance but not switching off the reminder (no need to re-press the button to restore the call function). The time taken for checking if any item is left in the taxi is relatively short.
- 2) It can be installed easily just by following its installation instruction and diagrams.
- 3) Its cost is much lower (estimated installation cost per taxi door is HK\$200.0, or installation cost for three taxi doors is about HK\$600.0 or about US\$77.0).

Its functions are very stable, it is waterproof and will never ignite any inflammable gas.

As passengers leaving their belongings in the taxi makes no loss to the driver and taxi owner, taxi owners are unlikely to initiate this invention installation in their taxis. But when there is the product of this invention for sale in the market, there will be public pressure demanding taxis to install this invention. If taxi owners demand compensation and maintenance of the installation expenditure, it is reasonable to levy an additional minimum fare charge (e.g. HK20 cents) on the passenger for riding a taxi with that reminder call service. Global taxi passengers will welcome this.

This invention can be a set of four parts to be mounted on individual car door of any car or taxi. **It can also be a concealed equipment in manufacture cars leaving only two buttons exposed on each door inside the car cabin.**

**This invention is especially recommended to car manufacturers.**

Private cars also need installing reminder call provided by this invention. That can prevent things that should be taken away by their passengers leaving in the car and brings trouble as well as waste of time.

The Japanese alarm call installation is inappropriate to be installed in private cars because there can be movable things on the car seat and can make a different image taken before and after a journey causing the alarm call's release. The additional manufacture cost of future cars with this invention is very little. It will be welcomed by buyers.

Function 1: Only opening the car door from inside the car can activate a reminder call or speech voice.

Function 2: The reminder call can be stopped by merely a press on a button for stopping the noise disturbance but not switching off the reminder (no need to re-press the button to restore the call function).

Function 3: Closing the car door can stop the call automatically.

Function 4: If the door opener in the car wants to avoid the call for that time, that button should be pressed with one finger and held with the cooperation of another one or two fingers until the door's opening displacement made by the other hand is at least 2 cm and the door-opening handle returned to its original position.

There is a sideward push button switch for switching off the reminder. This is appropriate to exist in private cars but should be excluded in taxis because the reminder should not be switched off by any taxi passenger.

For a taxi with the driver's door-opening and door-closing switches, switches of a low cost reminder call installation can be attached to them for the passenger's leave. That call won't be activated by the driver's door-opening switching for the passenger's ride because the taximeter has not yet started. Its functions are basically similar to that of the former one. It can be waterproof and won't ignite any probably existing inflammable gas in its surroundings.

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Utility Model Patent Application No.: 202421922768X

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( Former Publications of : — — —

People' s Republic of China Invention Patent No.: ZL 2013 1 0309264.0

United States Invention Patent No.: US 9,430,932 B2

India Patent No.: 420808

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