

Title (en)

Device for giving alarm for failure to draw out key for vehicle.

Title (de)

Vorrichtung zum Alarmgeben beim Vergessen des Schlüsselabzugs in einem Fahrzeug.

Title (fr)

Dispositif d'alarme en cas d'oubli du retrait de la clé d'un véhicule.

Publication

EP 0462339 A1 19911227 (EN)

Application

EP 90306797 A 19900621

Priority

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Abstract (en)

This invention relates to a device for giving an alarm for failure to draw out an engine key (7) for a vehicle. A key cylinder lock comprises an outer tubular member (2), and an inner tubular member (5) rotatably provided within the outer tubular member (2). A key (7) having a magnet (g1, g2) is inserted into the inner tubular member (5). A switch member which is turned ON when the magnet key (7) is inserted into the inner tubular member (5) by a power delivered from a power supply (15) provided in the vehicle is provided in the outer tubular member (2). On the other hand, a door switch (12) which is turned ON when the door of the vehicle is opened is provided. An alarm unit (14) is connected to both the door switch (12) and the switch member (11). Thus, when the door of the vehicle is opened with the magnet key (7) being inserted into the key cylinder lock (2, 5) as it is, the alarm unit (14) produces an alarm, thus to inform a driver that he forgets to draw out the key (7). <IMAGE>

IPC 1-7

E05B 45/10

IPC 8 full level

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CPC (source: EP)

E05B 45/0605 (2013.01); **E05B 45/10** (2013.01)

Citation (search report)

- [X] FR 2019806 A1 19700710 - VOSS KG J
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Cited by

CN111877871A; GB2329417A; WO03093612A1

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DOCDB simple family (publication)

EP 0462339 A1 19911227; **EP 0462339 B1 19960110**; AU 5718090 A 19911219; AU 641400 B2 19930923; DE 69024792 D1 19960222; DE 69024792 T2 19970206; NL 9002267 A 19920518

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