

# System of anchoring a seat, in particular for a child, to the seat of a vehicle

Safety



CAR COMP.  
BODYWORK



App Rules Laws Bluetooth Data Exchange Infotainment ISOFIX  
Child Seat  
Presence & Orientation Detection System 5G Regulations Safety Belt Baby  
USB

## Innovations/advantages

Detection of the presence or absence of a child in the seat, with the possibility of verifying whether the driver of the vehicle can forget a child inside an unattended car; simple, easy, quick and convenient anchoring for child seats; anchoring the seat with information on its correct installation that can make a substantial difference in the event of an accident; ISOFIX anchoring systems that allow the user to check the correct assembly and the correct anchoring of the seat with the vehicle seats; child seat anchoring system, simple to make and easy to install, even for systems already on the market; baby's main data available for passengers (such as heart rate, baby temperature, sleep cycle, etc.)

## Patent Information

Priority Date – 28 July 2022

Application Number

PCT/IB2023/057531

Publication Number

WO 2024/023698A1

IPR Dossier n. A31

National patent filings



## Application field

OEMs;  
Vehicles engineering.



## Product insight

Italdesign has invented a system for anchoring a child seat to vehicle seats that is simple, easy and convenient to make and allows the user to check its correct assembly, moreover, the system is able to detect the presence or absence of a child in the seat with the ability to check whether the driver has forgotten a child inside an unattended car. The buckle with integrated smartwatch type sensors can detect the child's main data, such as heart rate, body temperature, and sleep cycle and communicate these data to the passengers in the vehicle. Furthermore, the car senses the presence of the device and can activate a pre-activation procedure for the presence of a child on board, starting a dedicated animation in the multimedia interface and alerting passengers when it is necessary to switch from group I to group II or III.

