



# Child Detection Protection System (CDPS)

Nach EP1 669 251 A, US7,170,401 B1, und  
The European New Car Assessment  
Program (Euro NCAP)

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# Motivation

FLORIDA TIMES-UNION

**Police: Baby boy died after being left in car**

Associated Press

🕒 This Article is From Jul 08, 2023

**18-Month-Old Baby |  
Accidentally Leave Her In Hot Car After Fourth  
Of July Party**

**3-month-old dies after being left in hot car in  
Houston, police say**

Police described the incident as tragic but "avoidable."

Ermittlungen gegen Vater

**Kleinkind stirbt in Auto an Überhitzung**

*Aktualisiert am 27.06.23 um 11:05 Uhr*

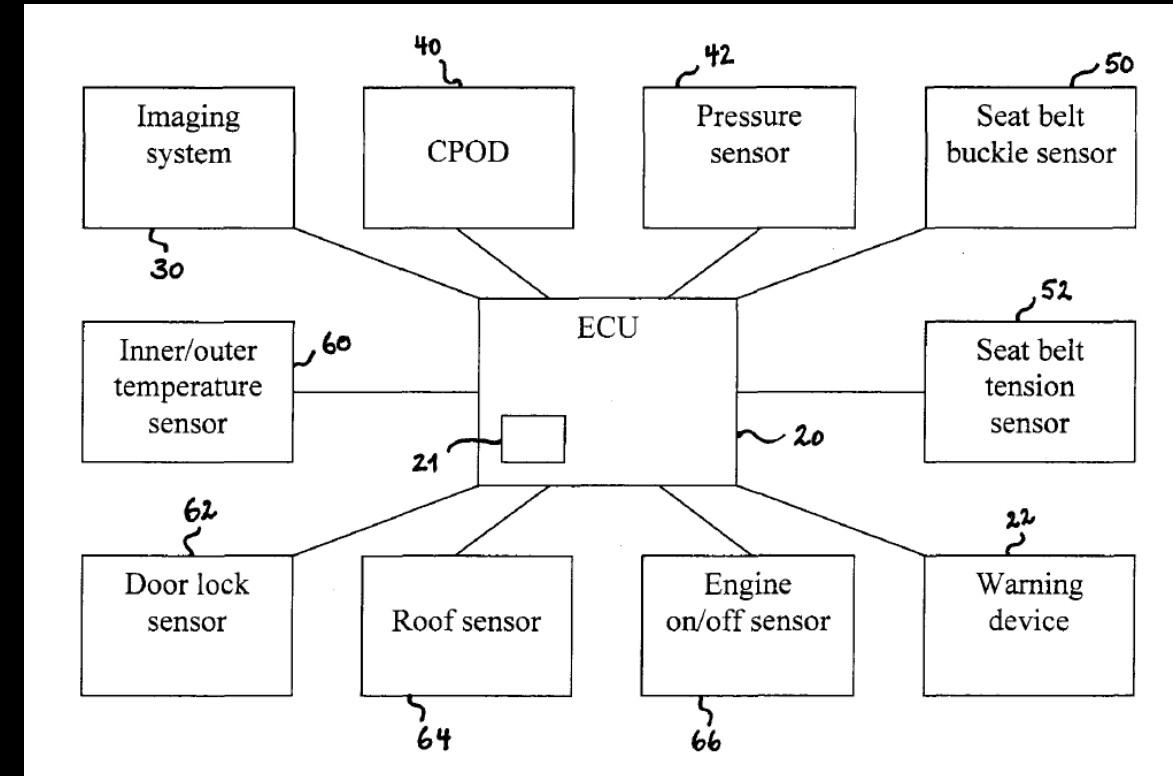
**18-month-old girl in Malaysia dies after  
father left her in car for hours**

# European Patent EP1 669 251 A

Applicant: Intelligent Sensing Solutions - IEE Smart Sensing Solutions

Publication Date: 14 June 2006 (A1 publication)

The system includes multiple acquisition units of different types that gather data on the presence of a child. These units can include **imaging systems (2D and 3D cameras), pressure sensors, seat belt sensors, and thermal sensors**. The data collected is analyzed by a controller (CPOD) to detect various types of misuse, such as improper installation, loose harnesses, or incorrect orientation of the child seat.

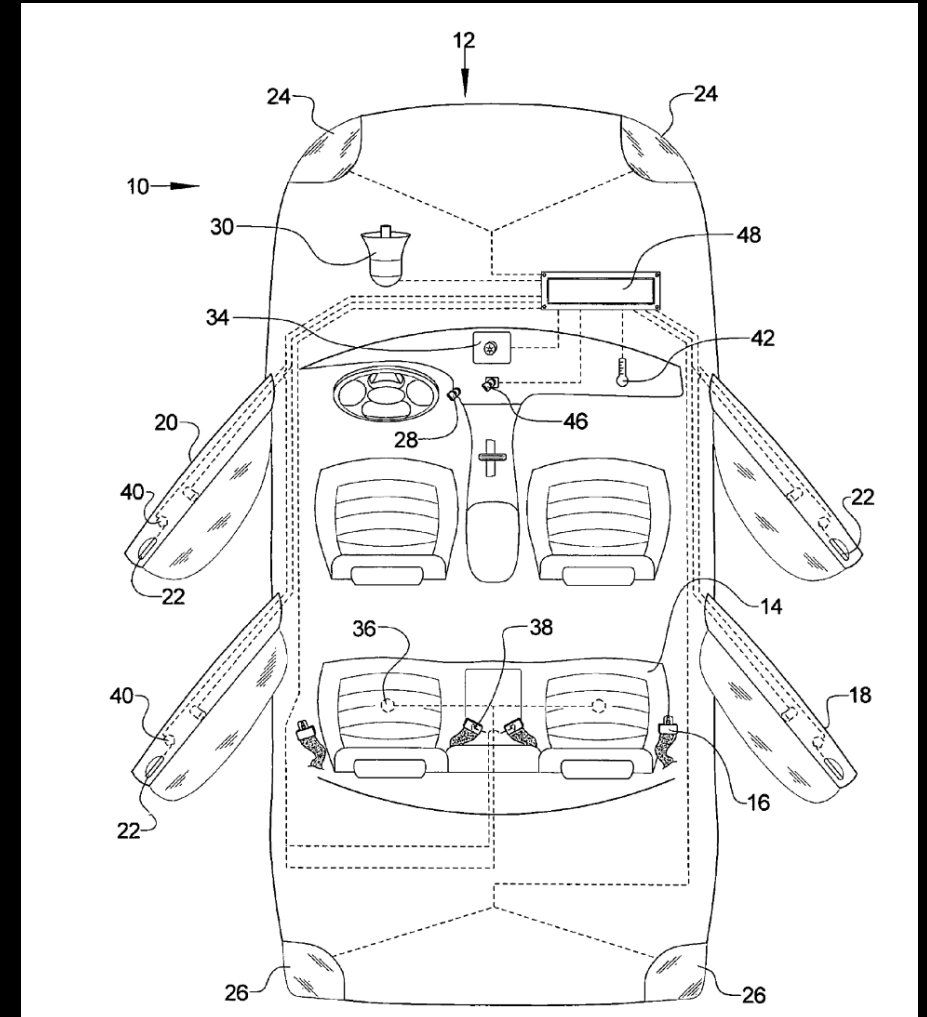


# United States Patent US7,170,401 B1

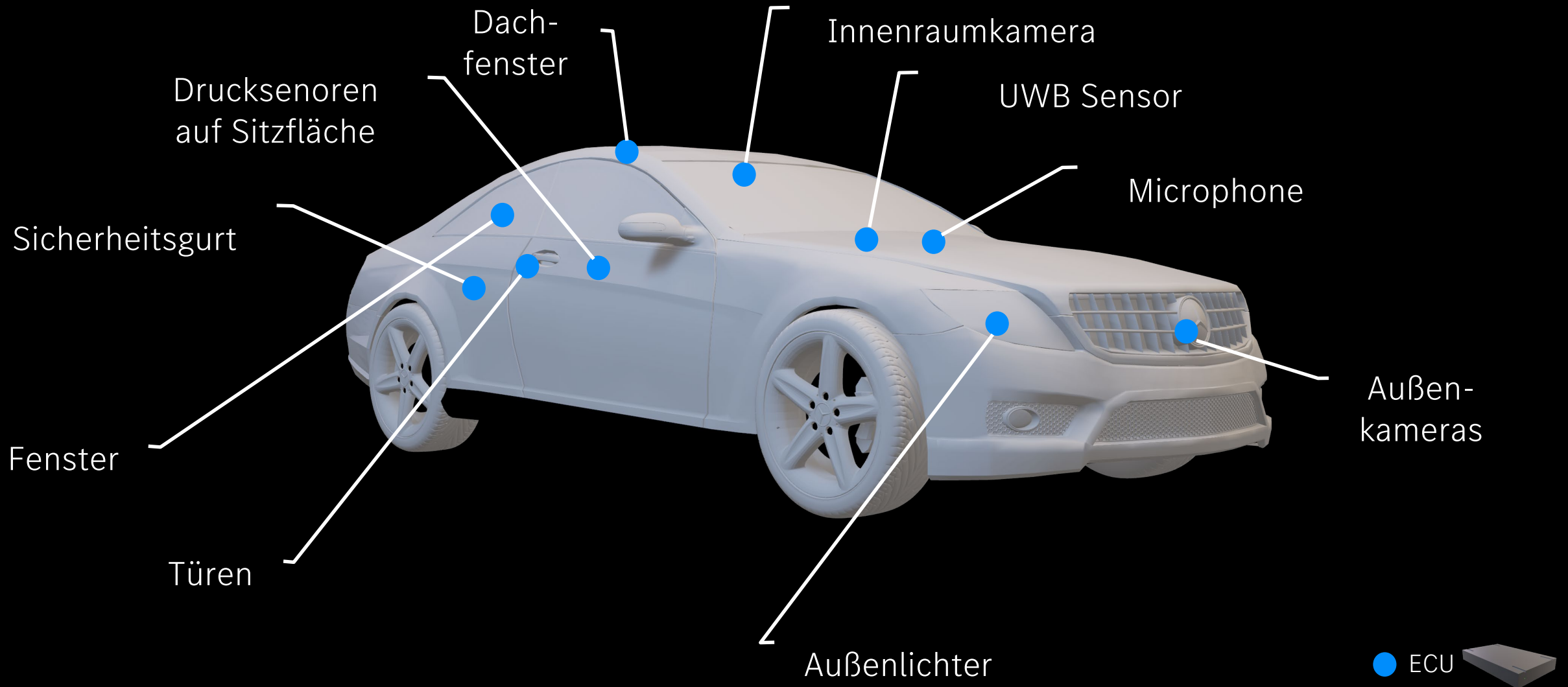
Applicant: Charles J. Cole

Publication Date: 30. January 2007

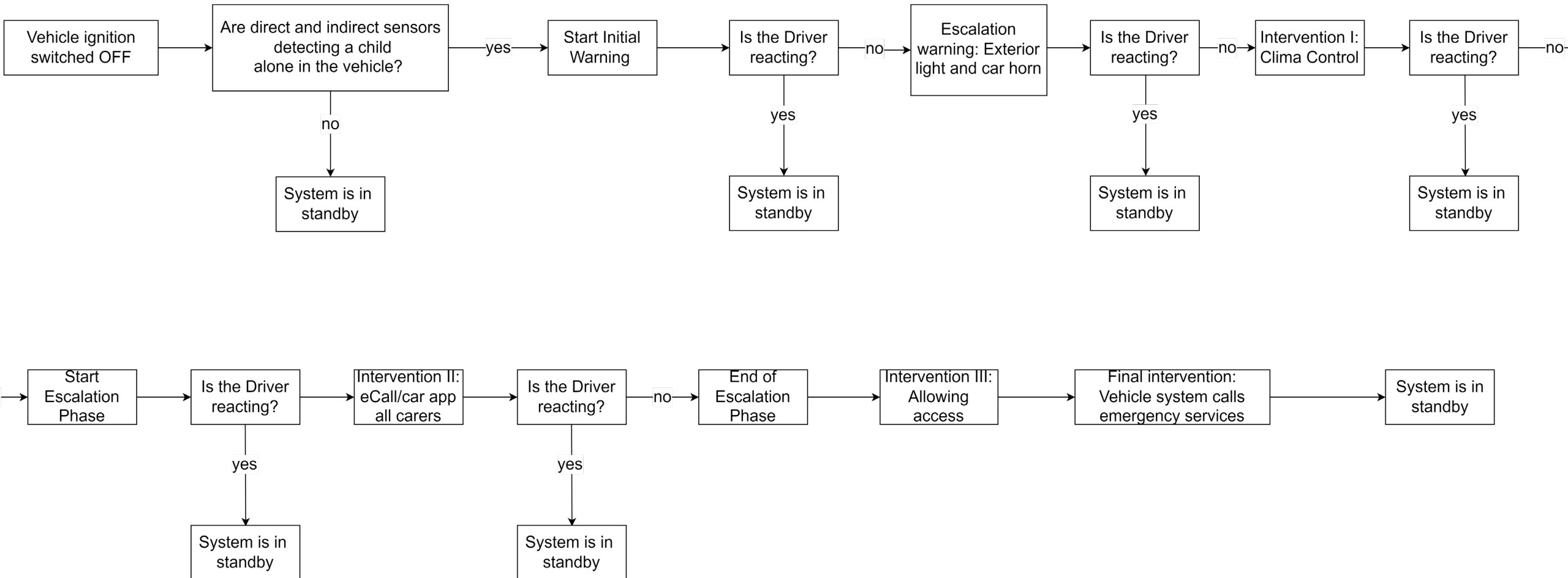
The system is designed to detect the presence of an unattended child in a vehicle and respond by **disabling the vehicle's door locks and sounding an alarm**. The system aims to prevent the dangers associated with leaving children unattended in vehicles, especially under **extreme temperature conditions**.



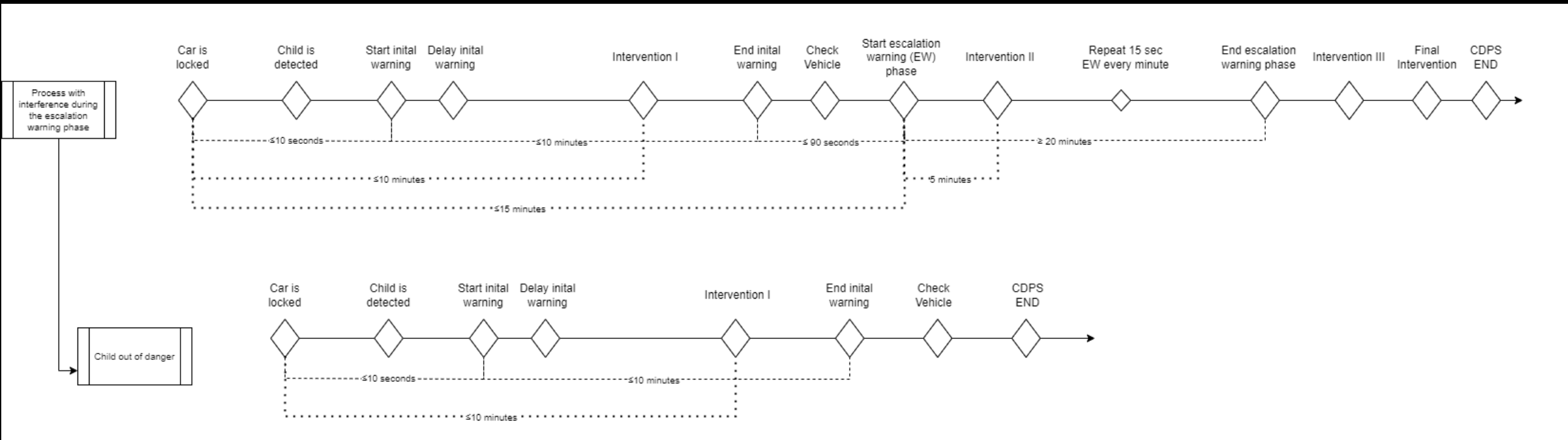
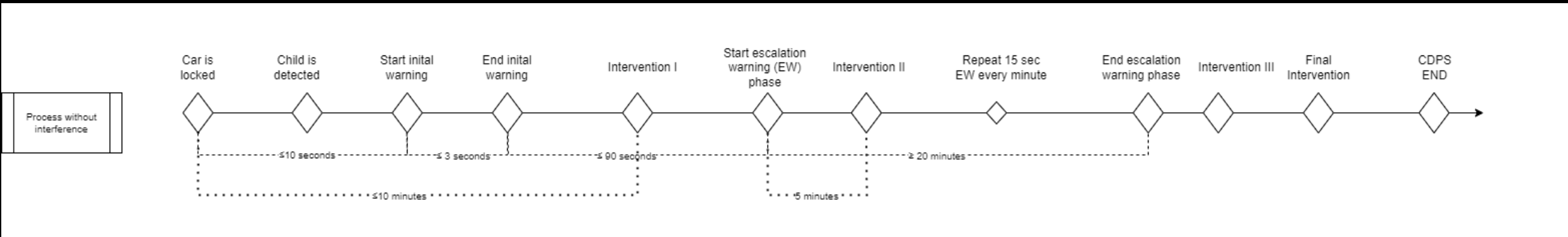
# Direkte, Indirekte Sensoren und Aktoren



# Einfacher Ablauf des CDPs



# Detaillierte Ablauf des CDPSs nach Euro NCAP



# Detaillierte Ablauf des CDPSs nach Euro NCAP

