

Press Release

Sep 27, 2022 | ID: 304451

World-first interior radar system from Volvo Cars helps you ensure that no one is left behind

Imagine the soft, barely discernible breathing movements of a sleeping child.

A new interior radar feature developed by our engineers is designed to be accurate and sensitive enough to detect the tiniest movements at sub-millimetre scale – such as those of a sleeping toddler. It's the first such feature to cover the entire interior of the car, including the trunk.

Our new radar system, revealed today and which will be included in our forthcoming Volvo EX90 all-electric SUV, is designed to help address a cause of terrible tragedy that has proven all too real for too many families.

US government statistics show that since 1998, more than 900 children in the US have died after being left in hot cars. Heartbreakingly, a majority of hot car deaths occur because someone forgot that their child was in the car at the time.

We want to help ensure that no one will be left behind or forgotten.

Our new interior radar system will first be rolled out as standard, where regulation allows, on the Volvo EX90 that will be revealed on November 9. The feature will also be included in other forthcoming Volvo car models.

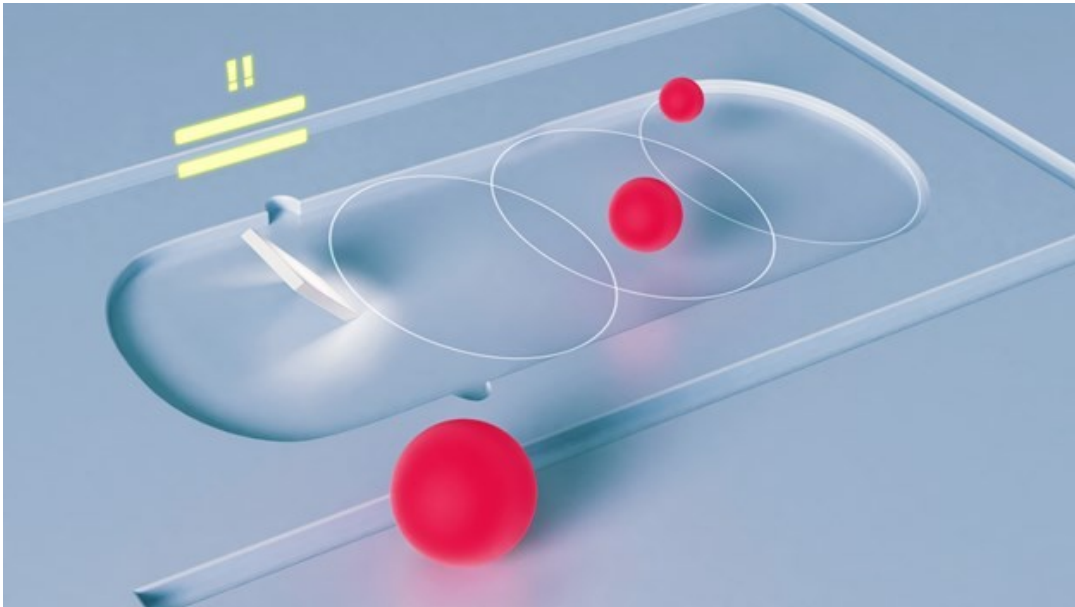
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Technology that supports you

With sensors integrated in the overhead console, the roof-mounted reading lamps and the trunk of the car, our new system is the first that can detect sub-millimetre movement in the entire interior of the car.

To cover as much of the cabin as possible and sense whether a child or pet has been left in the car, we've spaced radars throughout the cabin from front to back, including the rear trunk.

"No one chooses to be distracted or tired, but we know it can happen," says Lotta Jakobsson, our senior technical specialist in injury prevention. "We're all human and distraction is a fact of life. With the help of cutting-edge technology, we'll support you when you're not at your best and help you avoid leaving family members or pets behind by accident."



To notify you when you need it, and to help avoid 'reminder fatigue', our experts have determined that the best time to signal the potential presence of family members left inside the car is when you attempt to lock the car.

Every time you try to lock the car, the interior radar system is activated and determines whether your car is empty of any people or pets, before it allows the car to be locked.

If a family member or pet is detected inside, the car will remain unlocked and the car will display a reminder to check the cabin for occupants on the centre console screen.

The car's climate system can remain on if people or animals are detected in the cabin, to improve comfort. This can also help lower the risk of hypothermia or heatstroke.

"We've always been a leader in safety, and we want to continue protecting lives by setting new standards in automotive safety," says Lotta Jakobsson. "That also means making you feel safe and giving you peace of mind. That type of emotional safety will help you enjoy life to the fullest, while at the same time helping you to prevent tragedies from happening."

The smallprint

- The interior radar system will come as standard in all countries where the 60GHz frequency used by the system is approved for automotive use. We're constantly working with individual markets to secure approval and will activate the system as and when approvals are granted.
- The climate system will remain working as long as the high-voltage battery has enough charge.

Volvo Cars in 2021

Volvo Car Group recorded an operating profit of 20.3 BSEK. Revenue in 2021 amounted to 282.0 BSEK, while global sales reached 698,700 cars.

About Volvo Car Group

Volvo Cars was founded in 1927. Today, it is one of the most well-known and respected car brands in the world with sales to customers in more than 100 countries. Volvo Cars is listed on the Nasdaq Stockholm exchange, where it is traded under the ticker "VOLCAR B".

Volvo Cars aims to provide customers with the Freedom to Move in a personal, sustainable and safe way. This is reflected in its ambition to become a fully electric car maker by 2030 and in its commitment to an ongoing reduction of its carbon footprint, with the ambition to be a climate-neutral company by 2040.

As of December 2021, Volvo Cars employed approximately 41,000 full-time employees. Volvo Cars' head office, product development, marketing and administration functions are mainly located in Gothenburg, Sweden. Volvo Cars' production plants are located in Gothenburg, Ghent

(Belgium), South Carolina (US), Chengdu, Daqing and Taizhou (China). The company also has R&D and design centres in Gothenburg, Camarillo (US) and Shanghai (China).

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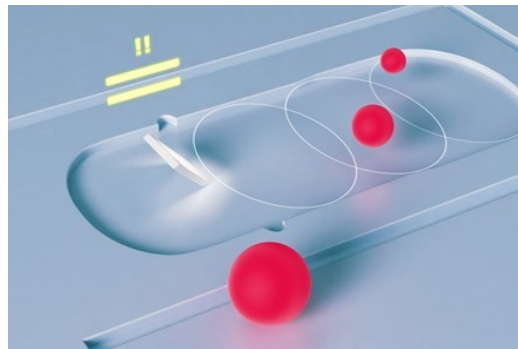
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Keywords:

Press Releases, Product News, EX90, 2024

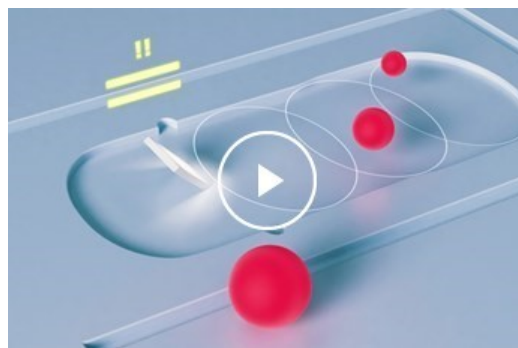
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