

Lighting assembly for a vehicle and method of removing said lighting assembly from said vehicle and adjusting the orientation of the light beams

Car comp.
Bodywork



ELECTRIC
VEHICLES



Body Lighting Lens Tail light Horizontally
Laser Headlamp Assembly LED Optical fiber Adjustable
Modular Light source Vertically

Innovations/advantages

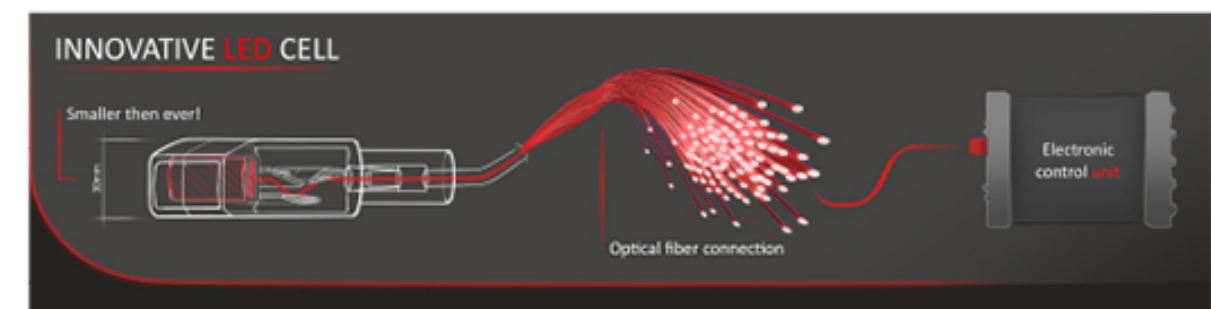
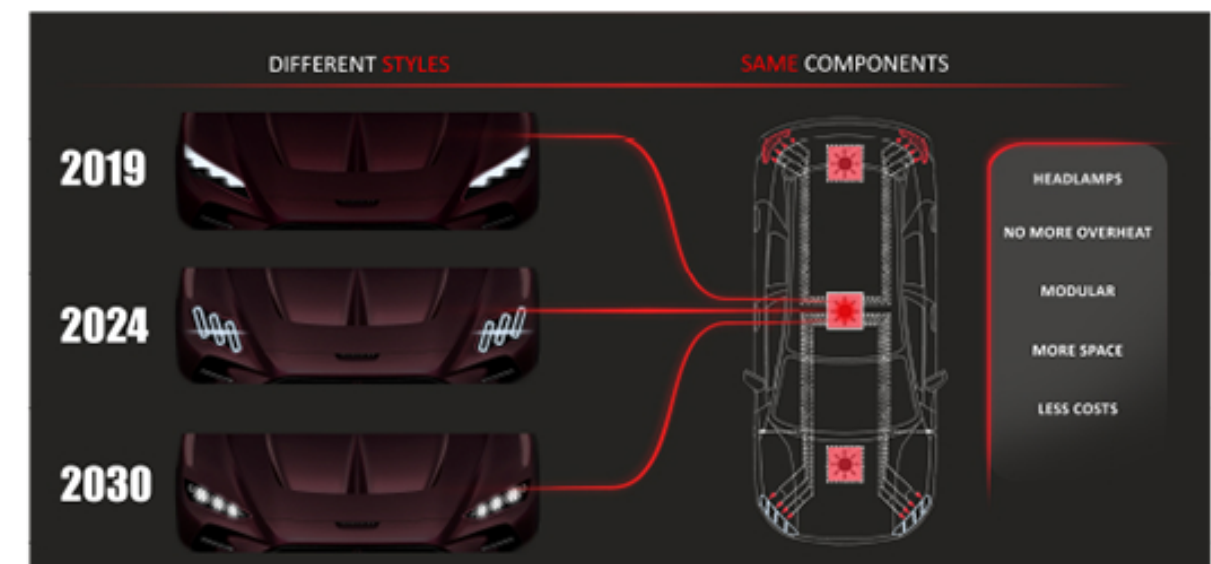
Reducing the costs of complete replacement of components housed in the chassis and/or related to the restyling of the vehicle; maximum flexibility regarding the dimensions and shapes of the light generated by the lighting assembly without compromising the energy efficiency of the lighting assembly; overall dimensions of the light assembly miniaturized to carry out simple replacement in the event of damage and/or in restyling the vehicle; possibility of creating additional space inside the chassis to integrate new functions such as Lidar or Radar devices for ADAS; maximum flexibility regarding the size, color, intensity and shape of the light generated by the assembly (LED lights, laser lights, etc.); optical fibers divided into their respective bundles.

Application field

OEMs;
Vehicles engineering.

Product insight

Italdesign has created and patented an innovative system for interior or exterior lighting for motor vehicles consisting of sources (Led, Laser) and optical fibers to centralize the position of the light sources on the car and enable the creation of miniaturized headlamps of extremely free shape and style. Functionality and safety are guaranteed by the use of an electronic control unit and a suitable optical system installed remotely on the vehicle, leaving room for the projector for Lidar and/or Radar functions for the most advanced driver assistance systems.



Patent Information

Priority Date – 14 July 2021
Application Number
PCT/IB2021/056329
PCT/IB2021/056331
Publication Number
WO 2023/285857 A1
WO 2023/285858 A1
IPR Dossier n. A30

National patent filings



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Available from March 30th, 2022

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