

Tail Adaptive Interactive Light

Car comp.
Bodywork



ELECTRIC
VEHICLES



Tablet Lighting DRL Regulations Computer App
Smartphone Display User Tail light
LED Customizations Shapes RGB Infotainment

Innovations/advantages

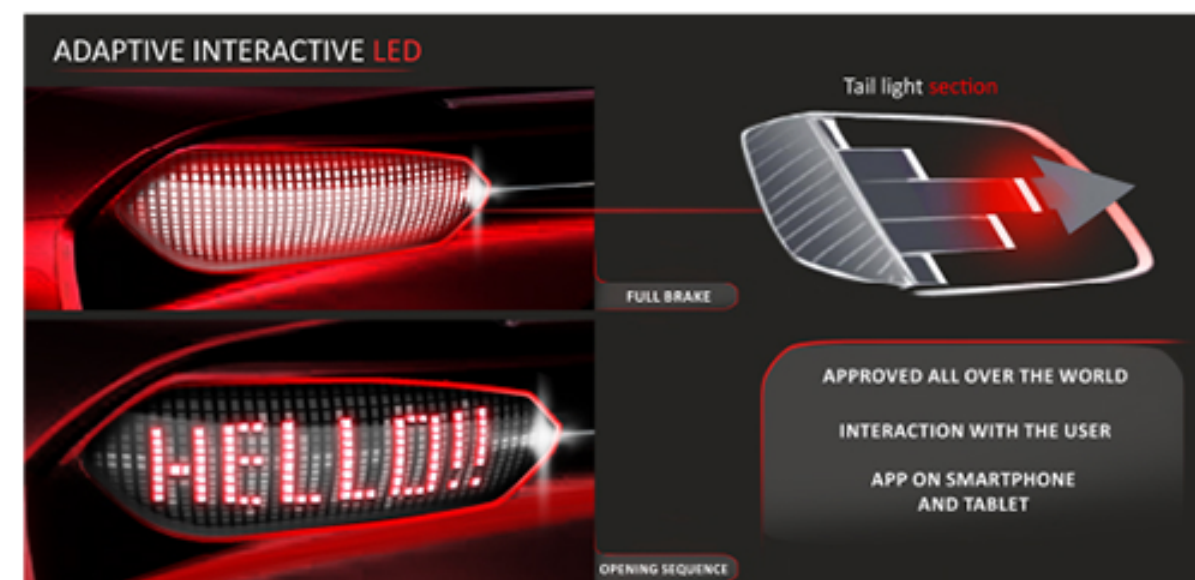
Optical assembly with the possibility of customizing the shape and size of a rear position light and more generally of a light intended for a signaling function (such as a stop light or a rear turning indicator), both outside and inside the vehicle; possibility to design on one's own personal device, such as a tablet or smartphone, a desired shape of illumination of a light in an optical assembly by means of software local or remote to the vehicle; recognition of the shapes permitted to be reproduced, e.g. via a short-range wireless communication protocol (Wi-Fi, ZigBee, Bluetooth or similar); user interface computer environment created as a resident application on a user's personal mobile telecommunications device; lighting or signaling function of the optical assembly for association of a time, place, driving condition.

Application field

OEMs;
Vehicles engineering;

Product insight

Italdesign has invented a methodology that allows the customization of the aesthetic appearance of the lights of a headlight (DRL), another light (turning indicator, stop) and/or interior lighting using a software application installed on a remote device such as a tablet or smartphone, which allows you to design the desired shape of one or more functions, validate the aforementioned function shapes and send them to the headlight and/or other light via wireless communication protocol. The software is able to recognize shapes not allowed by the automotive regulations and to communicate this to the user, as well as being able to memorize shapes attributable to signatures of other car brands, to compare them with those designed by the user, recognizing their similarities and, if necessary, reject them. Free your imagination!



Patent Information

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National patent filings



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