

Automatic Emergency braking system for motorcycles (MAEB)



INVENTORS: Giovanni Savino

PATENT STATUS: Granted

PRIORITY NUMBER: 102016000103762

PUBLICATION: 11/03/2019

PUBLISHED AS: ITA

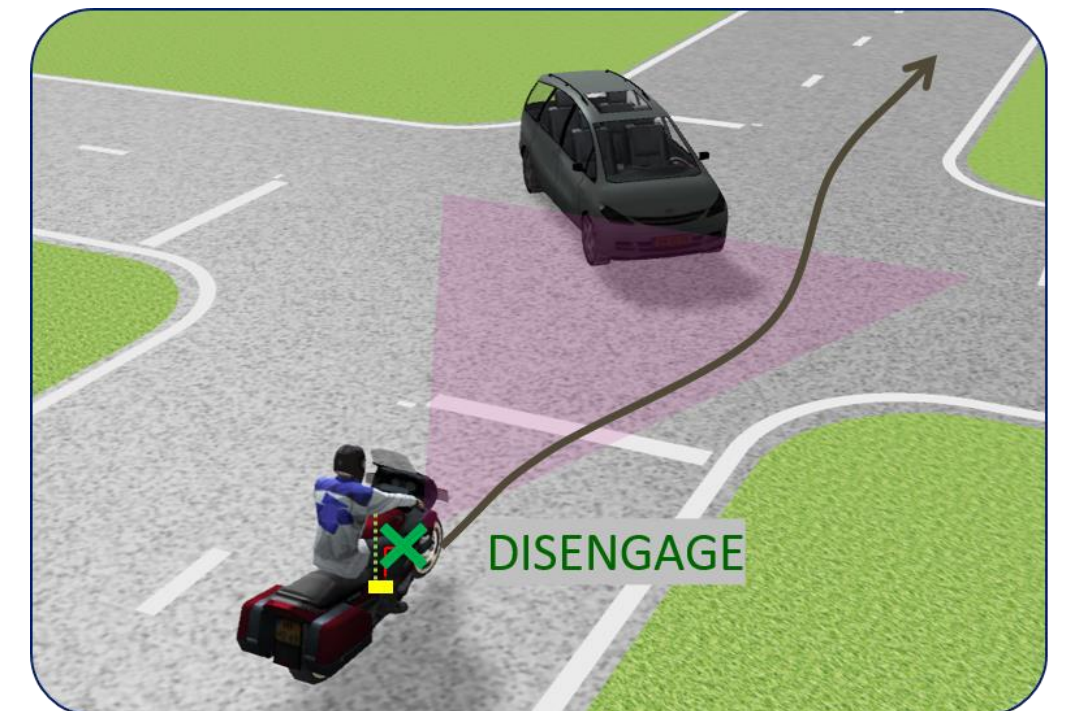
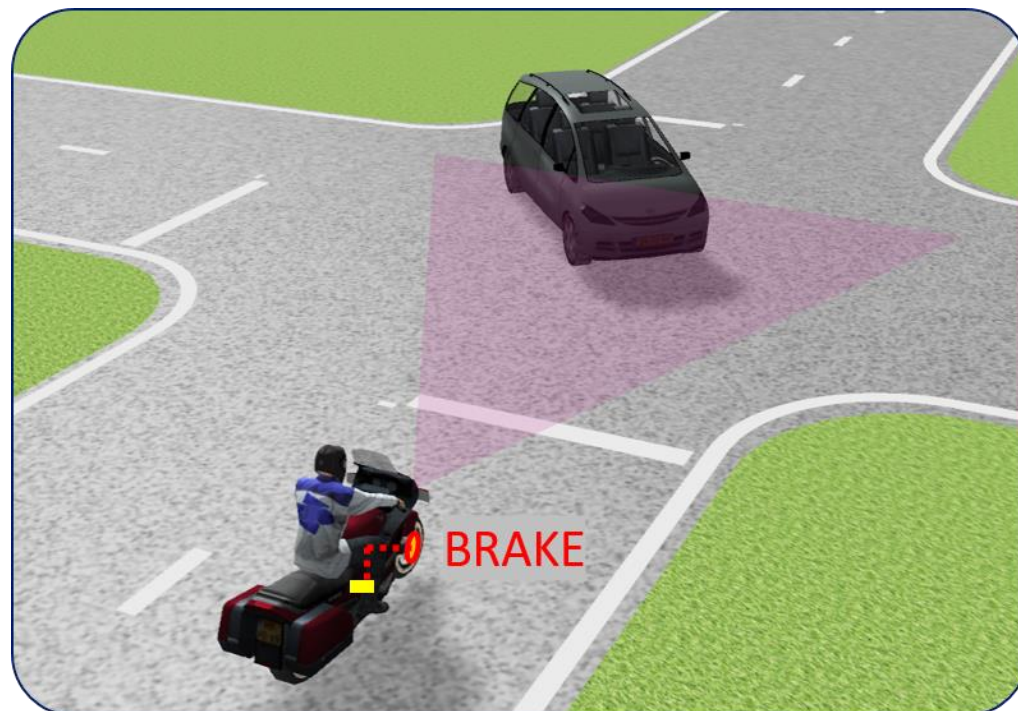
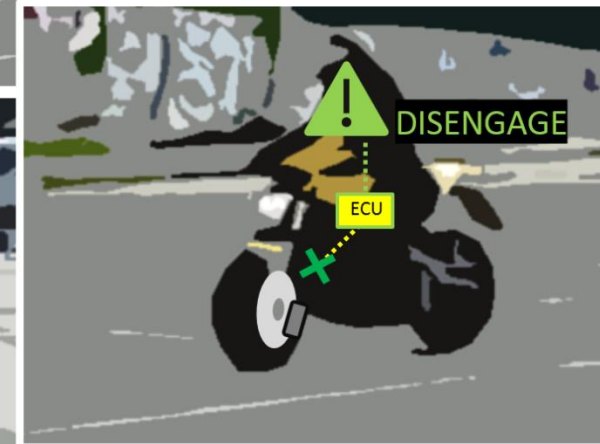
Invention



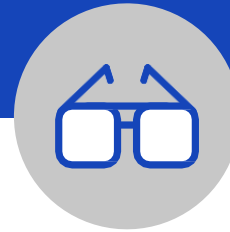
The invention consists in the use of the clutch of a motorcycle to interrupt the accidental action of an automatic emergency braking system in order to guarantee the safety of the rider.

Driver assistance systems will also spread to the motorcycle industry. Among these, the development of motorcycle emergency braking systems (MAEB) has a great safety potential, but may endanger the rider in the event of accidental operation. The invention avoids this risk by allowing the pilot to disengage accidental braking events, without affecting the safety potential offered by the safety system in situations in which MAEB intervention is beneficial.

Drawings
& pictures



Industrial applications



The technology allows the development of an easy-to-use system to prevent accidental activation of automatic braking systems on motor vehicles (MAEB). By preventing the accidental operation of MAEBs, it is possible to ensure greater safety for users of motorcycles and scooters through the introduction of a new generation of driver assistance systems. The ultimate fallout of this innovation is therefore greater road safety through a reduction in accidents.

The possible industrial applications are therefore to be identified in the motorcycle sector, both at the level of motorcycle manufacturers and companies that are part of their related activities, active in the development of MAEB technologies and the implementation of driving aids.

Possible developments



The patent is available under an exclusive license or sale. The license are available for the entire remaining term of the patent titles.

The research group is available for new research activities in collaboration and on behalf of third parties, technical insights, scientific advice, also aimed at raising the TRL of technology.

The TRL of the invention is 4/5.

For more information:



Tech Transfer Office of the University of Florence

Headquarters: Piazza S. Marco 4 – 50121 Firenze

Web site: www.unifi.it

E-mail: brevetti@unifi.it

For more information:



Ufficio Regionale di Trasferimento Tecnologico

Headquarters: Via Luigi Carlo Farini, 8 50121 Firenze (FI) Italy

E-mail: urtt@regione.toscana.it

