

Title (en)
LOGIC FOR AN AUTOMOTIVE AIR BAG SYSTEM

Title (de)
LOGIK FÜR EIN FAHRZEUG-AIRBAGSYSTEM

Title (fr)
LOGIQUE POUR SYSTEME DE COUSSIN DE SECURITE GONFLABLE POUR AUTOMOBILES

Publication
EP 1841629 A4 20091230 (EN)

Application
EP 06733824 A 20060123

Priority
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Abstract (en)
[origin: WO2006081218A2] The present invention relates to a logic for an air bag system for protecting the vehicles, obstacle(s), passenger(s), and pedestrian(s) from a collision by using an external detection system, detectable coating material, wireless system, internal detection system, computer processing unit, at least one external air bag inflation device and at least one internal air bag inflation device. Particularly for an effective use of this system, the present invention describes a method for distinguishing objects, a method for applying a minimum allowable time window to a CPU process, a method for calculating information as to the portion of a roadway obstacle located within a blind zone, a method for using claspers to control inflation size of an external air bag installed on a roadway vehicle, a method for an inflated external air bag installed on an obstacle, and a method for increasing an effectiveness of the absorption capability and capacity of an inflated air bag.

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Citation (search report)
• [DX] US 6408237 B1 20020618 - CHO DANIEL MYUNG [US]
• [X] US 6405132 B1 20020611 - BREED DAVID S [US], et al
• [X] US 6347268 B1 20020212 - FUJITA KOICHI [JP], et al
• [X] US 2002185324 A1 20021212 - CAMPBELL DOUGLAS P [US], et al
• [X] US 2002169533 A1 20021114 - BROWNE ALAN LAMPE [US], et al
• See references of WO 2006081218A2

Cited by
CN109709942A

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