

Title (en)

FORWARDING SYSTEM FOR LONG-RANGE PREEMPTION AND CORRIDOR CLEARANCE FOR EMERGENCY RESPONSE

Title (de)

WEITERLEITUNGSSYSTEM FÜR VORGRIFF MIT GROSSER REICHWEITE UND KORRIDOR-FREIRÄUMUNG FÜR NOTREAKTIONEN

Title (fr)

SYSTEME DE TRANSMISSION DE PRIORITISATION LONGUE DISTANCE ET D'AUTORISATION DE CORRIDOR DESTINE A UNE REPONSE D'URGENCE

Publication

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Application

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Abstract (en)

[origin: WO2005029437A2] System for and methods of preempting intersections by forwarding preemption requests from one intersection to another are described. In one aspect of the invention, congestion can be cleared from the path of a preempting vehicle by facilitating the flow of traffic in front of the vehicle. In another aspect of the invention a preemption corridor is created. Additionally, the preemption corridor can be further cleared by preempting side streets to the preemption corridor. One embodiment of the invention includes a microcontroller configured to receive forwarded preemption requests from a network. In addition, the microcontroller is configured to evaluate information included in a preemption request against a predetermined set of criteria and the microcontroller is configured to preempt a sequence of traffic signals when the information forwarded in a preemption request satisfies the predetermined set of criteria.

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