

Title (en)

METHODS AND SYSTEMS RELATED TO ESTABLISHING GEO-FENCE BOUNDARIES

Title (de)

VERFAHREN UND SYSTEME IN ZUSAMMENHANG MIT DER FESTSETZUNG DER GRENZEN EINES VIRTUELLEN ZAUNS

Title (fr)

PROCÉDÉS ET SYSTÈMES ASSOCIÉS À L'ÉTABLISSEMENT DE FRONTIÈRES GÉOREPÉRÉES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2014011445A1] Establishing geo-fence boundaries and collecting data. At least some of the illustrative embodiments are methods including: detecting a vehicle is located within a first political boundary; establishing a first geo-fence boundary for the vehicle corresponding to the first political boundary, the establishing responsive to detecting the vehicle is within the first political boundary; collecting data regarding the vehicle movement within the first geo-fence boundary; and detecting the vehicle has departed the first geo-fence boundary.

IPC 8 full level

G08G 1/00 (2006.01); **G06Q 10/08** (2012.01); **G06Q 50/30** (2012.01); **G07B 15/02** (2006.01); **G07B 15/06** (2011.01); **G09B 29/00** (2006.01)

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Citation (search report)

- [XYI] US 5928291 A 19990727 - JENKINS PAUL C [US], et al
- [X] US 5359528 A 19941025 - HAENDEL RICHARD S [US], et al
- [X] US 5970481 A 19991019 - WESTERLAGE KENNETH R [US], et al
- [X] US 2007038351 A1 20070215 - LARSCHAN BRADLEY R [US], et al
- [Y] US 2012133530 A1 20120531 - MORGAN GERALD A [US], et al
- See also references of WO 2014011445A1

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