

Title (en)
METHOD FOR A MOTOR VEHICLE TO SELECT A PREFERRED TRAFFIC LANE TO CROSS A TOLL AREA

Title (de)
VERFAHREN FÜR EIN KRAFTFAHRZEUG ZUR AUSWAHL EINER BEVORZUGTEN FAHRSPUR ZUM DURCHFAHREN EINES MAUTBEREICHES

Title (fr)
PROCEDE DE SELECTION PAR UN VEHICULE AUTOMOBILE D'UNE VOIE DE CIRCULATION PREFEREE POUR TRAVERSER UNE AIRE DE PEAGE

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Application
EP 19723324 A 20190423

Priority
• FR 1853539 A 20180423
• EP 2019060290 W 20190423

Abstract (en)
[origin: WO2019206860A1] The invention relates to a method for a motor vehicle (100) to select a preferred traffic lane (230) to access a toll area (200) comprising a plurality of traffic lanes (210, 220), comprising steps: a) of detecting traffic lanes of the toll area, b) of determining, for at least some of said traffic lanes, a first item of data (dij) relating to the distance between the motor vehicle and the corresponding traffic lane, and a second item of data relating to the number of other vehicles situated on the corresponding traffic lane, c) of minimizing a cost function that depends on each first item of data and on each second item of data, so as to identify the preferred traffic lane, and d) of determining the possibility or the risk for the motor vehicle of changing traffic lane in order to move towards the preferred traffic lane.

IPC 8 full level
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CPC (source: EP KR US)
B60W 30/0956 (2013.01 - EP KR US); **B60W 30/18163** (2013.01 - EP KR US); **B60W 40/06** (2013.01 - KR); **B60W 40/10** (2013.01 - KR); **G01C 21/3461** (2013.01 - EP KR US); **G01C 21/3658** (2013.01 - EP KR US); **G06V 20/588** (2022.01 - US); **B60W 2050/0002** (2013.01 - KR); **B60W 2520/10** (2013.01 - KR); **B60W 2554/00** (2020.02 - EP KR); **B60W 2554/80** (2020.02 - US); **B60Y 2300/0954** (2013.01 - KR); **B60Y 2300/18166** (2013.01 - KR); **B60Y 2400/301** (2013.01 - KR)

Citation (search report)
See references of WO 2019206860A1

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FR 3080346 A1 20191025; **FR 3080346 B1 20200515**; CN 112020631 A 20201201; EP 3784987 A1 20210303; JP 2021522479 A 20210830; KR 20210003119 A 20210111; US 11400935 B2 20220802; US 2021122374 A1 20210429; WO 2019206860 A1 20191031

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