

## Sweden

## (12) Patent specification (10) SE 539 816 C2

(21) Patent application number:	1650521-6	(51) Int.Cl.:	
(45) Grant of patent:	2017-12-05	B60W 30/12	(2006.01)
(41) Available to the public:	2017-10-20	G01C 21/30	(2006.01)
(22) Filing date:	2016-04-19	G05D 1/02	(2006.01)
(24) Effective date:	2016-04-19	G06K 9/00	(2006.01)
(30) Priority data:		G08G 1/16	(2006.01)

Scania CV AB, , 151 87 Södertälje SE (73) Patentee:

Tom NYSTRÖM, Södertälje SE (72) Inventor:

Samuel MALINEN, Stockholm SE

(74) Agent: Scania CV AB, , 151 87, Södertälje SE

Method and control unit in a vehicle for estimating a stretch of a road based (54) Title:

on a set of tracks of another vehicle

US 20130211720 A1 · US 20080291276 A1 · US 20140176350 A1 (56) Cited documents:

(57) Abstract:

Method (400) and control unit (310) in a vehicle (100) for estimating a stretch of a road (120), based on a set of tracks (130) of another vehicle (140), when driving the vehicle (100) along the road (120) in a driving direction (105) to a destination (200). The method (400) comprises: detecting (401) a set of tracks (130) of the other vehicle (140), on the road (120); estimating (402) the geographical position of the detected (401) set of tracks (130); comparing (404) the estimated (402) geographical position of the detected (401) set of tracks (130) with map data; rejecting (407) the detected (401) set of tracks (130) when it exits the road (120) to the destination (200) or when situated in a driving lane in a direction opposite to the driving direction (105); and otherwise estimating (408) the stretch of the road (120) based on the set of tracks (130).

