

Title (en)  
Quality determination in data acquisition

Title (de)  
Qualitätsbestimmung bei der Datenerfassung

Title (fr)  
Détermination de qualité d'acquisition de données

Publication  
**EP 2790165 A1 20141015 (EN)**

Application  
**EP 13162865 A 20130409**

Priority  
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Abstract (en)  
The present invention relates to a method, apparatus and a computer program product for quality determination in data acquisition. The present invention includes a signal processing apparatus and method for processing at least one detection signal, the apparatus comprising a receiver configured to receive the at least one detection signal from at least one sensor, a model generator configured to generate a model of signal sequences based on previously received detection signals while taking into consideration a topology of the sensors and/or environmental condition in the vicinity of the at least one sensor, comparing means configured to compare the at least one detection signal with the model of signal sequences generated by the model generator, and a prediction means configured to predict quality of the at least one detection signal based on a comparison of the at least one detection signal with the model generated by the model generator.

IPC 8 full level  
**G08G 1/07** (2006.01); **G08G 1/015** (2006.01); **G08G 1/042** (2006.01)

CPC (source: EP)  
**G08G 1/015** (2013.01); **G08G 1/042** (2013.01); **G08G 1/07** (2013.01)

Citation (applicant)  
LAWRENCE R. RABINER: "A tutorial on Hidden Markov Models and selected applications in speech recognition", PROCEEDINGS OF THE IEEE, vol. 77, no. 2, February 1989 (1989-02-01), pages 257 - 286

Citation (search report)  
• [X] US 2012161987 A1 20120628 - YOO JAE-JUN [KR], et al  
• [A] AU 2009236035 A1 20100610 - INTELEMATICS AUSTRALIA PTY LTD [AU]  
• [A] US 2002154032 A1 20021024 - HILLIARD STEVEN R [US], et al  
• [A] US 2004252193 A1 20041216 - HIGGINS BRUCE E [US]

Cited by  
CN116401604A; CN114036990A; CN107067114A; DE102015203115A1; EP3937151A1; GB2593482A; DE102015203115B4; US11869358B2; WO2020132134A1; US12094315B2

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