

Title (en)  
DEVICE AND PROCESS FOR THE DETECTION OF ONE OR MORE VEHICLE WHEELS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM ERKENNEN VON EINEM ODER MEHREREN FAHRZEUGGRÄDERN.

Title (fr)  
DISPOSITIF ET PROCEDE POUR DETECTER UNE OU PLUSIEURS ROUES D'UN VEHICULE

Publication  
**EP 0649553 B1 19961227 (FR)**

Application  
**EP 93914823 A 19930706**

Priority  
• FR 9208416 A 19920706  
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Abstract (en)  
[origin: US5614894A] PCT No. PCT/FR93/00699 Sec. 371 Date Feb. 8, 1995 Sec. 102(e) Date Feb. 8, 1995 PCT Filed Jul. 6, 1993 PCT Pub. No. WO94/01847 PCT Pub. Date Jan. 20, 1994A device for detecting one or several wheels of a vehicle or of a wheeled engine and a process using this device. The device is constituted by at least one electromagnetic loop and by an evaluation unit. The electromagnetic loop or loops have a small dimension in the direction of the displacement of the vehicle or of the axis of the roadway, which is less than the diameter of the wheels of the vehicles to be identified, and a rectangular shape and/or a rectilinear arrangement disposed perpendicularly to the axis of the roadway, the loop or loops being sensitive in a distinct and opposed manner to the electromagnetic influences of the metallic masses moving in translation and in rotation, at the wheels of the vehicle.

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**G08G 1/015**; **G08G 1/042**

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

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

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**US 5614894 A 19970325**; AT E146889 T1 19970115; AU 4505993 A 19940131; CA 2139577 A1 19940120; CA 2139577 C 20030909; DE 69306954 D1 19970206; DE 69306954 T2 19970703; EP 0649553 A1 19950426; EP 0649553 B1 19961227; ES 2098759 T3 19970501; FR 2693301 A1 19940107; FR 2693301 B1 19940805; WO 9401847 A1 19940120

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**US 36711295 A 19950208**; AT 93914823 T 19930706; AU 4505993 A 19930706; CA 2139577 A 19930706; DE 69306954 T 19930706; EP 93914823 A 19930706; ES 93914823 T 19930706; FR 9208416 A 19920706; FR 9300699 W 19930706