

Title (en)

DEVICE FOR MONITORING AND WIRELESSLY SIGNALISING THE PRESSURE IN TYRES ON VEHICLES

Title (de)

EINRICHTUNG ZUM ÜBERWACHEN UND DRAHTLOSEN SIGNALISIEREN DES DRUCKS IN LUFTREIFEN AN FAHRZEUGEN

Title (fr)

DISPOSITIF POUR LA SURVEILLANCE ET LA SIGNALISATION SANS FIL DE LA PRESSION DANS DES PNEUS DE VEHICULES AUTOMOBILES

Publication

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Application

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Abstract (en)

[origin: DE19939936A1] The invention relates to a device for monitoring and wirelessly signalising a pressure or a change in pressure in tyres of wheels (1) on vehicles (2). The inventive device consists of a receiver (9) which is provided in or on the vehicle (1). At least one antenna (6, 7) pertains to the receiver. The inventive device also consists of a device (3), hereafter referred to as wheel electronics, for measuring, evaluating and transmitting tyre pressure signals. The wheel electronics are arranged in the tyre and contain a battery (24) acting as the source of electricity, a pressure sensor which measures the pressure prevailing in the tyre, an evaluation circuit which evaluates the measured pressure signals that are provided for by the pressure sensor and a transmitter (21) which is controlled by means of the evaluation circuit. Said device transmits signals which contain information on the pressure in the tyre and/or on the state of the wheel electronics (3) to the receiver (9). The wheel electronics (3) is activated at distances of time (T0) for a period of time (T1) that is shorter than said distances of time (T0) and otherwise remains in an electricity-saving state.

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IPC 8 full level

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