

Title (en)  
A DEVICE AND METHOD FOR MEASURING THE THICKNESS OF A LAYER OF A SUBSTANCE OR MATERIAL DEPOSITED ON A SECTION OF ROAD, AND A MONITORING SYSTEM COMPRISING SAID DEVICE

Title (de)  
EINRICHTUNG UND VERFAHREN ZUR MESSUNG DER DICKE EINER SCHICHT EINER SUBSTANZ ODER EINES AUF EINEM TEIL EINER STRASSE ABGELAGERTEN MATERIALS UND ÜBERWACHUNGSSYSTEM MIT DER EINRICHTUNG

Title (fr)  
DISPOSITIF ET PROCEDE DE MESURE D'UNE COUCHE DEPOSEE SUR UN TRONÇON DE CHAUSSEE, ET SYSTEME DE SURVEILLANCE REPOSANT SUR L'EMPLOI DUDIT DISPOSITIF

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Abstract (en)  
[origin: WO2006106402A2] The invention relates to a device (10) for measuring the thickness (t) of a layer (14) of a substance or material deposited on a section of road (16) , which comprises sensor elements (S) which include a first and a second emitting device (E1, E2) respectively capable of emitting an acoustic signal (18) and an optical signal (20) which are capable of being received by a respective first and second receiving device (R1, R2) ; a computing unit (19) which is associated with said sensor elements (S) and is arranged to determine the thickness (t) as a function of the distance travelled respectively by the acoustic signal (18) emitted by the first emitting device (E1) , subsequently reflected by the layer (14) and received by the receiving device (R1) ; and by the optical signal (20) emitted by the second emitting device (E2) , subsequently reflected by the section of road (16) and received by the second receiving device (R2) . The invention furthermore relates to a method for measuring the above-stated thickness (t) , and to a monitoring system which comprises the measuring device (10) .

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