

Title (en)

SYSTEM FOR MEASURING THE THICKNESS OF A LINER LAYER OF A TYRE

Title (de)

SYSTEM ZUM MESSEN DER DICKE EINER VERKLEIDUNGSSCHICHT EINES REIFENS

Title (fr)

SYSTEME DE MESURE DE L'EPAISSEUR D'UNE COUCHE DE GOMME D'UN PNEUMATIQUE

Publication

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Application

EP 14744818 A 20140725

Priority

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Abstract (en)

[origin: WO2015011260A1] The invention relates to a system for measuring the thickness of a layer of rubbery material of a tyre comprising one face connected to an adjacent metal frame and one free face in contact with the air, the system comprising a housing with an application face intended to be in contact with the free face of the layer and a sensor placed in the housing capable of measuring the distance d between the connected face and the free face of the layer of rubbery material, such that, the sensor comprising an alternating magnetic field source and an adjacent sensitive element, the source is a winding and the sensitive element is a sensor whose output signal depends on the local magnetic induction field, and such that the frequency and the excitation power of the source winding are such that the magnetic induction field increases between the adjacent frame and the source winding, when the distance d decreases.

IPC 8 full level

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Citation (search report)

See references of WO 2015011260A1

Citation (examination)

- US 6104593 A 20000815 - KAWASE MASAHIRO [JP], et al
- US 2009078347 A1 20090326 - NIKLAS ALFRED [DE], et al
- US 2010276044 A1 20101104 - HEISE ANDREAS [DE], et al

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