

Title (en)
MEASURING DEVICE FOR REFLECTION MEASUREMENTS OF TEST OBJECTS AND METHOD FOR MEASURING RADIATION REFLECTED ON TEST OBJECTS

Title (de)
MESSVORRICHTUNG FÜR REFLEXIONSMESSUNGEN AN PRÜFOBJEKTEN SOWIE VERFAHREN ZUR MESSUNG VON AN PRÜFOBJEKTEN REFLEKTIERTER STRAHLUNG

Title (fr)
DISPOSITIF DE MESURE DE RÉFLEXIONS SUR DES OBJETS À CONTRÔLER ET PROCÉDÉ DE MESURE D'UN RAYONNEMENT RÉFLÉCHI PAR DES OBJETS À CONTRÔLER

Publication
EP 3039407 A1 20160706 (DE)

Application
EP 14789980 A 20140826

Priority
• DE 102013217038 A 20130827
• DE 2014100304 W 20140826

Abstract (en)
[origin: WO2015027994A1] The invention relates to a measuring device (1) for reflection measurements of test objects (2), comprising a transmitter (3) for emitting radiation (S), a first collimation element (5) for aligning the emitted radiation (S), a first focusing element (6) for focusing the emitted radiation (S) in relation to the test object (2), a receiver (11) for detecting radiation (R) reflected on the test object (2), a second collimation element (7) for aligning the reflected radiation (R), and a second focusing element (10) for focusing the reflected radiation (R) in relation to the receiver (11). At least two of the elements (5, 6, 7, 10) are separate from each other. Thus, a simple and flexible design of the measuring device (1) is achieved, which can be adapted to the test object (2).

IPC 8 full level
G01N 21/35 (2014.01); **G01B 11/06** (2006.01); **G01N 21/55** (2006.01); **G01N 29/04** (2006.01)

CPC (source: EP US)
G01B 11/06 (2013.01 - EP US); **G01N 21/3581** (2013.01 - EP US); **G01N 21/55** (2013.01 - EP US); **G01N 29/04** (2013.01 - EP US); **G01N 29/221** (2013.01 - EP US); **G01N 2291/02854** (2013.01 - EP US)

Citation (search report)
See references of WO 2015027994A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015027994 A1 20150305; DE 102013217038 A1 20150305; EP 3039407 A1 20160706; US 2016238375 A1 20160818; US 9791263 B2 20171017

DOCDB simple family (application)
DE 2014100304 W 20140826; DE 102013217038 A 20130827; EP 14789980 A 20140826; US 201615055391 A 20160226