

Title (en)  
TEST AND/OR EXAMINATION APPARATUS

Title (de)  
TEST- UND/ODER PRÜFVORRICHTUNG

Title (fr)  
DISPOSITIF DE TEST ET/OU D'ESSAI

Publication  
**EP 3237878 A1 20171101 (DE)**

Application  
**EP 15828732 A 20151103**

Priority  
• DE 102014016482 A 20141107  
• DE 2015000528 W 20151103

Abstract (en)  
[origin: WO2016070864A1] Disclosed is a test and/or examination apparatus especially for testing and/or determining the resistance of surfaces and/or objects against abrasion and/or the sensitivity thereof to shock and/or scratch resistance thereof, said apparatus consisting of an adaptive holding device and/or access device for the device under test and/or a surface under test, at least one means for mounting an effective test object in front of or above the device under test, a device for moving the effective test object impacting the device under test, and a control, verification and/or display device for controlling and verifying the velocity and force at which the effective test object enters in contact with the device under test. In order to move the effective test object against and/or onto and/or along the device under test, the test and examination apparatus is designed with a supporting device for the effective test object, said supporting device being loaded or loadable with an additional weight, and the test and/or examination apparatus is equipped with a gas-actuated and/or fluid-actuated drive and/or cylinder which includes a rotationally locked pushing and/or pulling mechanism and which can be controlled by and/or connected to at least one control and/or adjustment unit.

IPC 8 full level  
**G01N 3/46** (2006.01); **G01N 3/50** (2006.01)

CPC (source: CN EP US)  
**G01N 3/46** (2013.01 - CN EP US); **G01N 3/50** (2013.01 - CN EP US); **G01N 3/56** (2013.01 - US)

Citation (search report)  
See references of WO 2016070864A1

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 2016070864 A1 20160512**; CN 107430051 A 20171201; DE 102014016482 A1 20160512; EP 3237878 A1 20171101;  
EP 4043859 A1 20220817; US 2019003946 A1 20190103

DOCDB simple family (application)  
**DE 2015000528 W 20151103**; CN 201580067817 A 20151103; DE 102014016482 A 20141107; EP 15828732 A 20151103;  
EP 22158670 A 20151103; US 201515529049 A 20151103