

Title (en)  
FIXTURELESS LENSMETER SYSTEM

Title (de)  
HALTERLOSES SCHEITELBRECHWERTMESSSYSTEM

Title (fr)  
SYSTÈME DE FRONTOFOCOMÈTRE SANS FIXATION

Publication  
**EP 3867618 A1 20210825 (EN)**

Application  
**EP 19801442 A 20191017**

Priority  
• US 201816164488 A 20181018  
• US 2019056827 W 20191017

Abstract (en)  
[origin: WO2020081871A1] A lensmeter system may include a mobile device having a camera. The camera may capture a first image of a pattern through a lens that is separate from the camera, while the lens is in contact with a pattern. The mobile device may determine the size of the lens based on the first image and known features of the pattern. The camera may capture a second image of the pattern, while the lens is at an intermediate location between the camera and the pattern. The second image may be transformed to an ideal coordinate system, and processed determine a distortion of the pattern attributable to the lens. The mobile device may measure characteristics of the lens based on the distortion. Characteristics of the lens may include a spherical power, a cylinder power, and/or an astigmatism angle.

IPC 8 full level  
**G01M 11/02** (2006.01)

CPC (source: EP IL KR)  
**G01M 11/0221** (2013.01 - EP IL); **G01M 11/0228** (2013.01 - EP IL KR); **G01M 11/0235** (2013.01 - KR); **G01M 11/0242** (2013.01 - KR); **G01M 11/0264** (2013.01 - EP IL KR)

Citation (search report)  
See references of WO 2020081871A1

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 2020081871 A1 20200423**; AU 2019360254 A1 20210603; AU 2019360254 B2 20220203; AU 2022202677 A1 20220519; CA 3116887 A1 20200423; CN 113227747 A 20210806; CN 113227747 B 20220708; EP 3867618 A1 20210825; IL 282170 A 20210531; IL 282170 B 20220701; IL 293343 A 20220701; JP 2022502671 A 20220111; JP 6984071 B1 20211217; JP 6984071 B6 20220118; KR 102363130 B1 20220214; KR 20210062708 A 20210531; KR 20220025199 A 20220303; MX 2021003814 A 20220819

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**US 2019056827 W 20191017**; AU 2019360254 A 20191017; AU 2022202677 A 20220422; CA 3116887 A 20191017; CN 201980068717 A 20191017; EP 19801442 A 20191017; IL 28217021 A 20210408; IL 29334322 A 20220525; JP 2021521196 A 20191017; KR 20217014595 A 20191017; KR 20227004471 A 20191017; MX 2021003814 A 20191017