

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
23 April 2020 (23.04.2020)



(10) International Publication Number
WO 2020/079105 A1

(51) International Patent Classification:
G02C 7/02 (2006.01)

(21) International Application Number:
PCT/EP2019/078128

(22) International Filing Date:
16 October 2019 (16.10.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
18306358.5 16 October 2018 (16.10.2018) EP

(71) Applicant: **ESSILOR INTERNATIONAL** [FR/FR]; 147
rue de Paris, 94220 CHARENTON-LE-PONT (FR).

(72) Inventors: **GUILLOT, Matthieu**; C/O ESSILOR INTER-
NATIONAL, 147 rue de Paris, 94220 CHARENTON-LE-
PONT (FR). **GUILLOU, Hélène**; C/O ESSILOR INTER-
NATIONAL, 147 rue de Paris, 94220 CHARENTON-LE-
PONT (FR). **REGO, Carlos**; C/O ESSILOR INTER-
NATIONAL, 147 rue de Paris, 94220 CHARENTON-LE-
PONT (FR). **GACOIN, Eric**; C/O ESSILOR INTER-
NATIONAL, 147 rue de Paris, 94220 CHARENTON-LE-
PONT (FR).

(74) Agent: **CABINET NOVITECH** et al.; 188 Grande rue
Charles de Gaulle, 94130 NOGENT-SUR-MARNE (FR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,

DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(54) Title: OPTICAL LENS

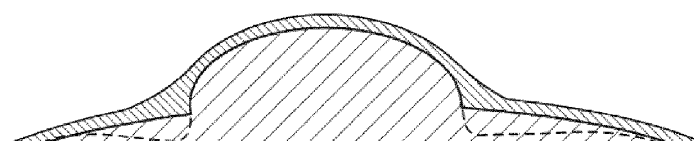


Fig.8B

(57) Abstract: Method implemented by computer means for determining a lens element, for example adapted for a wearer, the method comprising: - providing lens data indicating at least a shape of the lens element to be determined, the shape of the lens element corresponding to a shape of the holder and to at least a shape of the optical elements of the lens element, the shape of the optical elements being associated with a targeted optical function; - providing a transfer law associated with a coating process of a lens element comprising the optical elements, the coating process being associated with the coating element, the transfer law corresponding to transformations to apply to the shape of the surface of the lens element comprising the optical elements for compensating modifications of the targeted optical function of said optical elements induced by the coating process; and - determining the lens element based at least on the lens data and the transfer law.



WO 2020/079105 A1