



- (51) International Patent Classification:
G02B 27/00 (2006.01) *H01S 3/00* (2006.01)
- (21) International Application Number:
PCT/US2017/056690
- (22) International Filing Date:
14 October 2017 (14.10.2017)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
62/408,220 14 October 2016 (14.10.2016) US
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- (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).

(54) Title: LARGE SCALE OPTICAL PHASED ARRAY

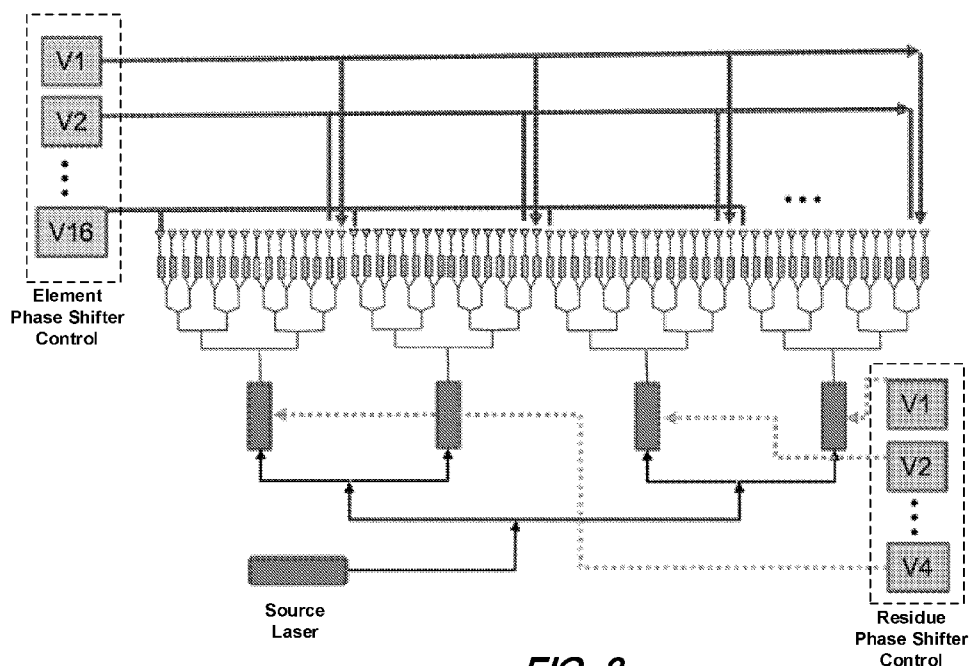


FIG. 8

(57) **Abstract:** Aspects of the present disclosure describe configurations of, and methods for operating a large scale optical phased array for contemporary applications including LIDAR, optical communications, imaging, and displays - among others.



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))*

(88) Date of publication of the international search report:

23 August 2018 (23.08.2018)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2017/056690**A. CLASSIFICATION OF SUBJECT MATTER****G02B 27/00(2006.01)i, H01S 3/00(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G02B 27/00; H01S 3/10; G01S 7/484; G02F 2/02; G02F 1/295; H01S 3/098; G01C 3/08; G01S 17/10; H01S 3/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: optic, phase, array, source, laser

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2013-0044309 A1 (ELIZABETH A. DAKIN et al.) 21 February 2013 See paragraphs [0037]–[0039], claim 1 and figure 1.	1–23
Y	US 2016-0170287 A1 (NOKIA TECHNOLOGIES OY) 16 June 2016 See paragraphs [0042],[0051]–[0066], claim 25 and figure 8b.	1–23
A	US 2009-0092158 A1 (HOSSEIN IZADPANAH et al.) 09 April 2009 See paragraph [0022] and figure 1.	1–23
A	US 2009-0303573 A1 (W. DANIEL HILLIS et al.) 10 December 2009 See paragraphs [0044]–[0048], claims 112–113 and figures 1–2.	1–23
A	US 2016-0139266 A1 (JUAN C. MONTOYA et al.) 19 May 2016 See paragraphs [0024]–[0029] and figure 1.	1–23



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Date of the actual completion of the international search

23 July 2018 (23.07.2018)

Date of mailing of the international search report

23 July 2018 (23.07.2018)

Name and mailing address of the ISA/KR

International Application Division

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2017/056690

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