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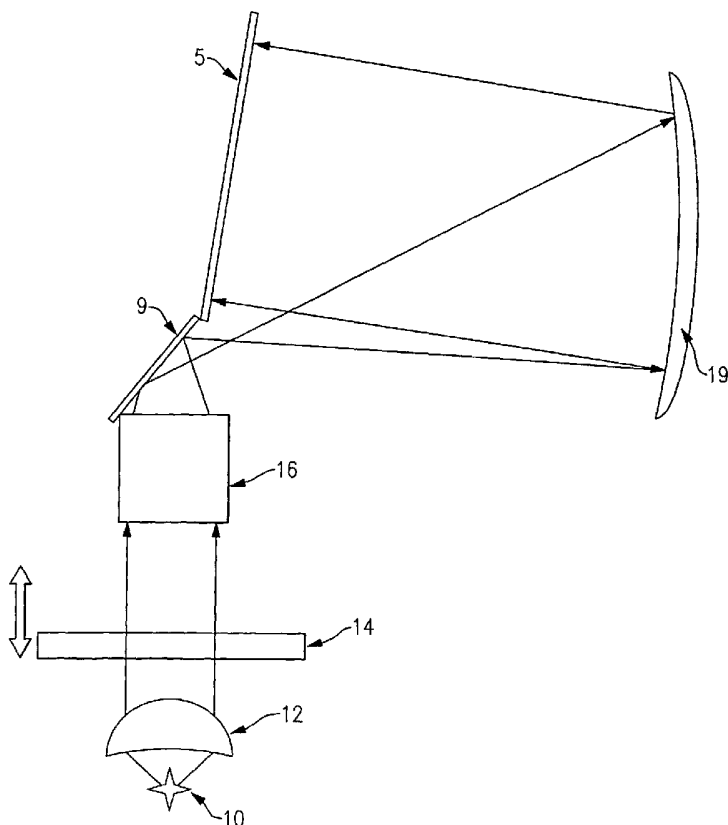
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(54) Title: OPTICAL DEVICE INSPECTION SYSTEM AND METHOD USING A LARGE DEPTH OF FIELD



(57) Abstract: An optical device inspection system and method employing a narrow aperture on a magnifying objective lens in order to reduce the circle of confusion and increase the depth of field. The smaller aperture resulting in an increase in depth of field allows for simultaneous focus for all portions of objects being inspected. An arc lamp with an elliptical reflector in combination with a condenser lens focuses a more intense beam of light through the objective lens, thereby providing sufficient brightness without sacrificing any depth of field.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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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)

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

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

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/163638 A1 (BIEL ROGER ET AL) 7 November 2002 (2002-11-07)	1-9, 11-19
Y	paragraphs '0006!, '0022!, '0023!, '0029!; figure 1	10,20
A	US 5 801 822 A (LAFFERTY ET AL) 1 September 1998 (1998-09-01) column 2, line 51 - line 63 column 7, line 22 - line 43	1-20
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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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