

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/080616

A. CLASSIFICATION OF SUBJECT MATTER*G02B 21/00*(2006.01)i; *G02B 21/36*(2006.01)i; *G02B 26/06*(2006.01)n

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

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 practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2015362713 A1 (BETZIG ROBERT E [US] ET AL) 17 December 2015 (2015-12-17) claim 3 abstract paragraph [0060] - paragraph [0067] paragraph [0074] - paragraph [0078] figures 1A, 1B	17 1-3,5-16 4
Y	DE 102016119730 A1 (ZEISS CARL MICROSCOPY GMBH [DE]) 19 April 2018 (2018-04-19) abstract paragraph [0034] - paragraph [0036]	1-3,5-16
A	DE 102013015931 A1 (ZEISS CARL MICROSCOPY GMBH [DE]) 19 March 2015 (2015-03-19) cited in the application the whole document	1-17

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

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“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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“&” document member of the same patent family

Date of the actual completion of the international search

11 February 2020

Date of mailing of the international search report

30 March 2020

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/EP2019/080616

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
US 2015362713 A1	17 December 2015	NONE	
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DE 102016119730 A1	19 April 2018	CN 110023811 A	16 July 2019
		DE 102016119730 A1	19 April 2018
		EP 3526634 A1	21 August 2019
		JP 2019532360 A	07 November 2019
		US 2019258041 A1	22 August 2019
		WO 2018073169 A1	26 April 2018
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DE 102013015931 A1	19 March 2015	DE 102013015931 A1	19 March 2015
		US 2015185454 A1	02 July 2015
		WO 2015040127 A1	26 March 2015
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