

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2018/000822

A. CLASSIFICATION OF SUBJECT MATTER*G05B 19/042*(2006.01)i; *G05B 19/418*(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)

G05B

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	DE 102010020446 A1 (WAGO VERWALTUNGS GMBH [DE]) 17 November 2011 (2011-11-17) cited in the application the whole document	1-15
X	EP 1349024 A2 (SICK AG [DE]) 01 October 2003 (2003-10-01) paragraph [0029] - paragraph [0040]; figures 1,2	1-15
X	DE 102013106572 A1 (WEIDMÜLLER INTERFACE GMBH & CO KG [DE]) 24 December 2014 (2014-12-24) paragraph [0019] - paragraph [0031]; figures 1,2	1-15

 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

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

18 October 2018

Date of mailing of the international search report

30 October 2018

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
DE	102010020446	A1	17 November 2011	CN	102339047	A	01 February 2012
				DE	102010020446	A1	17 November 2011
				US	2011283027	A1	17 November 2011
EP	1349024	A2	01 October 2003	DE	10211939	A1	02 October 2003
				EP	1349024	A2	01 October 2003
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				US	2003200323	A1	23 October 2003
DE	102013106572	A1	24 December 2014	CN	105340222	A	17 February 2016
				DE	102013106572	A1	24 December 2014
				EP	3014816	A1	04 May 2016
				US	2016147695	A1	26 May 2016
				WO	2014206680	A1	31 December 2014