

PATENT COOPERATION TREATY
PCT

INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P57520PC00	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below
International application No. PCT/CA2020/050386	International filing date (<i>day/month/year</i>) 24 March 2020 (24-03-2020)
(Earliest) Priority date (<i>day/month/year</i>) 27 March 2019 (27-03-2019)	
Applicant OMACHRON INTELLECTUAL PROPERTY INC.	

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2020/050386A. CLASSIFICATION OF SUBJECT MATTER
IPC: **B29C 48/395** (2019.01)

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)
IPC (2019.01): B29C 48/395
CPC: B29C 48/00, B29C 48/025, B29C 48/25, B29C 48/285, B29C 48/256

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

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

Questel Orbit
Search Terms: modul+, exchangeable, plastic, extrud+, screw

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE102007041486A1 (RUST, H.) 15 May 2008 (15-05-2008) *Figure 1; paragraphs 0041-0057*	1-18
Y	DE102010026535A1 (RUST, H.) 12 January 2012 (12-01-2012) *Figures 1, 4; paragraphs 0027-0034, 0083-0085*	1-18
Y	CN2579643Y (XIA, G.) 15 October 2003 (15-10-2003) *Figure 1; page 6*	1-18
Y	US2018/0236705A1 (CONRAD, W.) 23 August 2018 (23-08-2018) *Figures 2, 25A-25C; paragraphs 0259-0292*	1-18
A,P	US2019/0366281A1 (RUST, H.) 5 December 2019 (05-12-2019) *Figure 9; paragraph 0127*	1, 11

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

* Special categories of cited documents:	“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
“A” document defining the general state of the art which is not considered to be of particular relevance	“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
“D” document cited by the applicant in the international application	“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
“E” earlier application or patent but published on or after the international filing date	“&”	document member of the same patent family
“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		
“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		

Date of the actual completion of the international search
13 May 2020 (13-05-2020)Date of mailing of the international search report
25 June 2020 (25-06-2020)Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
Place du Portage 1, C114 - 1st Floor, Box PCT
50 Victoria Street
Gatineau, Quebec K1A 0C9
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2020/050386

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
DE102007041486A1	15 May 2008 (15-05-2008)	DE102007041486B4	30 May 2018 (30-05-2018)
DE102010026535A1	12 January 2012 (12-01-2012)	DE202010017571U1	27 February 2012 (27-02-2012)
CN2579643Y	15 October 2003 (15-10-2003)	None	
US2018236705A1	23 August 2018 (23-08-2018)	AU2016306718A1 AU2016306718B2 CA2900251A1 CA2900251C CA2989935A1 CA2989935C CA3054231A1 CN108136645A EP3334584A1 EP3334584A4 US2020114543A1 WO2017024385A1	05 April 2018 (05-04-2018) 10 October 2019 (10-10-2019) 12 February 2017 (12-02-2017) 22 May 2018 (22-05-2018) 12 February 2017 (12-02-2017) 18 February 2020 (18-02-2020) 12 February 2017 (12-02-2017) 08 June 2018 (08-06-2018) 20 June 2018 (20-06-2018) 27 March 2019 (27-03-2019) 16 April 2020 (16-04-2020) 16 February 2017 (16-02-2017)
US2019366281A1	05 December 2019 (05-12-2019)	DE102018004355A1	05 December 2019 (05-12-2019)