

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/JP2016/055140

**A. CLASSIFICATION OF SUBJECT MATTER**  
A01G25/02(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)  
A01G25/02

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

|                           |           |                            |           |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho       | 1922-1996 | Jitsuyo Shinan Toroku Koho | 1996-2016 |
| Kokai Jitsuyo Shinan Koho | 1971-2016 | Toroku Jitsuyo Shinan Koho | 1994-2016 |

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | WO 2013/175802 A1 (Enplas Corp.),<br>28 November 2013 (28.11.2013),<br>entire text; all drawings<br>& US 2015/0150199 A1<br>entire text; all drawings<br>& EP 2856861 A1 & IL 235879 A | 1-10                  |
| A         | US 2012/0199673 A1 (Amir COHEN),<br>09 August 2012 (09.08.2012),<br>entire text; all drawings<br>& US 2011/0186652 A1 & WO 2011/092557 A1<br>& EP 2528427 A & CN 102933071 A           | 1-10                  |

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

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| Date of the actual completion of the international search<br>19 May 2016 (19.05.16) | Date of mailing of the international search report<br>31 May 2016 (31.05.16) |
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| Name and mailing address of the ISA/<br>Japan Patent Office<br>3-4-3, Kasumigaseki, Chiyoda-ku,<br>Tokyo 100-8915, Japan | Authorized officer<br><br>Telephone No. |
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | JP 2010-46094 A (Hydroplan Engineering Ltd.),<br>04 March 2010 (04.03.2010),<br>entire text; all drawings<br>& US 6027048 A<br>entire text; all drawings<br>& WO 1999/018771 A1 & EP 1022936 A | 1-10                  |
| A         | WO 2014/097638 A1 (Enplas Corp.),<br>26 June 2014 (26.06.2014),<br>entire text; all drawings<br>& EP 2936974 A1<br>entire text; all drawings<br>& CN 104853593 A & IL 239547 A                 | 1-10                  |