

General:

- Id of document version: **29956260**
- Status of the document <ep-bulletin>: **Replacement of data for an application already published**
- Changed tag from previous publication of document <B002EP><ep-chgt-info>: **B475=N,20220520**
- Publication number of the document (EPO or WIPO) <B110>: **3450349**
- Kind of document <B130>: **B1**
- EPO Application number <B210>: **17789708.9**
- Application filing date <B220>: **2017.04.28**
- Date of refusal of application <B235>:
- Date of withdrawal of application <B235>:
- Date of application deemed withdrawn <B237>:
- Date of receipt of request for re-establishment of rights <B238EP>:
- Date of decision for re-establishment of rights <B238>:
- Date of making available to the public by printing or similar process of an unexamined patent document, on which no grant has taken place on or before the said date <B430>: **2019.03.06**
- Date of making available to the public by printing or similar process of a patent document on which grant has taken place on or before the said date <B450><date>: **2021.09.29**
- Number of the EPO Bulletin in which the mention of the grant is published. <B450><bnum>: **202139**
- Date of rejection of the opposition procedure <B787>:
- Date of termination of the opposition procedure <B788>:
- Due date for translation: **2021.12.29**
- Text when the inventor has agreed to waive his entitlement to designation. <B009EP><text[jj]>:
- Date of reception of document: **2022.06.24**
- Date of publication <B140>: **2022.06.22**

Priority <B300>:

Number(s) assigned to priority application(s) <B310>:	Date(s) of filing of priority application(s) <B320>:	National property office allotting the priority application number or the organization allotting the regional priority application Number (WO for PCT) – country code <B330>:
	2016.04.28	JP

Lapse <B472>:

No lapse.

Classification <B500>:

IPC (8) as one fixed length field of 50 positions <B510EP><text>:	Edition of IPC (IPC version) <B516>:
A61M 5/00 20060101ALI20190910BHEP	8
B65D 25/20 20060101ALI20190910BHEP	8
B65D 77/20 20060101AFI20190910BHEP	8
B65D 81/20 20060101ALI20190910BHEP	8

Title <B540>:

No title.

Division <B620> or <B620EP>:

No division.

EPO Customer <B710>&<B720>&<B730>&<B740>:

Name <snm>:	Daikyo Seiko, LTD.	EPO number of the customer <iid>:	101799915
Address <street>, <city>, <ctry>:	1305-1, Kurohakama-cho Sano-shi, Tochigi 327-0813 JP		
Customer type:	Grantees	Status:	0

Name <snm>:	Grünecker Patent- und Rechtsanwälte PartG mbB	EPO number of the customer <iid>:	100060488
--------------------------	---	--	-----------

Address <street>, <city>, <ctry>:	Leopoldstraße 4 80802 München DE		
Customer type:	Attorney / Agent	Status:	0

Name <snm>:	KAWAMURA Hideaki	EPO number of the customer <iid>:	
Address <street>, <city>, <ctry>:	c/o Daikyo Seiko, LTD.1305-1 Kurohakama-choSano-shi Tochigi 3270813 JP		
Customer type:	Inventor	Status:	0

Name <snm>:	TOGASHI Hiroshi	EPO number of the customer <iid>:	
Address <street>, <city>, <ctry>:	c/o Daikyo Seiko, LTD.1305-1 Kurohakama-choSano-shi Tochigi 3270813 JP		
Customer type:	Inventor	Status:	0

Opposition <B780>:
No opposition.

Designated countries <B840>:

Kind of document <B130>:	Date of publication <B140>:	Country code <B840><ctry>:
B1	2022.06.22	NO

PCT <B860>&<B870>:

Kind of document <B130>:	B1		
PCT Application number <B861><anum>:	JP2017016902	Date of filing <B861><date>:	2017.04.28
PCT Publication number <B871><pnum>:	WO2017188427	Publication date <B871><date>:	2017.11.02
Issue number of the Gazette <B871><bnum>:	201744	Country code <B862>:	ja

Citations <B560>:

Kind of document <B130>:	Type <B561> or <B562>:	Text <B561><text> or <B562><text>:
B1	PT citation	WO-A1-2014/109011
B1	PT citation	JP-A- 2005 335 782
B1	PT citation	JP-A- 2006 016 005
B1	PT citation	JP-A- 2006 036 227
B1	PT citation	JP-A- 2013 525 218
B1	PT citation	JP-U- 3 184 488
B1	PT citation	US-A1- 2008 183 140
B1	PT citation	US-A1- 2009 100 802