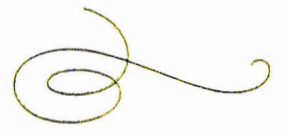
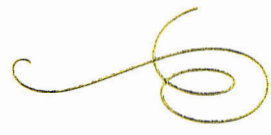


United
States
of
America



To Promote the Progress

of Science and Useful Arts

The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.


DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



PATENT

Patent of Invention
Filed in
United States of America
for

“METHOD AND DEVICE FOR IMPROVED HYGIENIC MONITORING IN IVC SYSTEMS”

Our ref.: P018710US-01 13999PT

Your ref.: PLA15A15

Applicant(s): **TECNIPLAST S.P.A.**
HELMHOLTZ ZENTRUM MÜNCHEN DEUTSCHES
FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT
(GmbH)

Inventor(s):	Markus BRIELMEIER Julia ZORN Gianpaolo MILITE	Wolfgang NAGEL Alfredo CAMPIOTTI Carmelo DI MARTINO
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Priority(ies):	<i>Italy</i>	<i>102015000067602</i>	<i>30 October 2015</i>
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Application	15/337,599	Date	28 October 2016
National Application		Date	
Publication		Date	
Grant	10,412,927	Date	17 September 2019

Notes:

EXPIRATION DATE: 28 December 2036