

The
United
States
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America



**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 com-
plied 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 mak-
ing, 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 inven-
tion is a process, of the right to exclude oth-
ers from using, offering for sale or selling
throughout the United States of America, or
importing into 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 mainte-
nance fees as provided by 35 U.S.C. 41(b).
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inside of the cover.*

Michelle K. Lee

Deputy Director of the United States Patent and Trademark Office