

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE EXTENDING PATENT TERM  
UNDER 35 U.S.C. § 156

PATENT NO. : 4,816,456  
ISSUED : March 28, 1989  
INVENTOR(S) : William K. Summers  
PATENT OWNER : William K. Summers

This is to certify that there has been presented to the

COMMISSIONER OF PATENTS AND TRADEMARKS

an application under 35 U.S.C. § 156 for an extension of the patent term. Since it appears that the requirements of the law have been met, this certificate extends the term of the patent for the period of

343 days

from October 1, 2006, the original expiration date of the patent, with all rights pertaining thereto as provided by 35 U.S.C. § 156(b).



I have caused the seal of the Patent and Trademark Office to be affixed this 20th day of November 1997.

*Bruce A. Lehman*  
Bruce A. Lehman  
Assistant Secretary of Commerce and  
Commissioner of Patents and Trademarks