UNITED STATES PATENT AND TRADEMARK OFFICE

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

PATENT NO. : 4,514,390
ISSUED : April 30, 1985
INVENTOR(S) : Ernst A. H. Friedheim
PATENT OWNER : The Rockefeller University

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

1,632 days

from the original expiration date of the patent, April 30, 2002, 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 21st day of April 1997.

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