

UNITED STATES PATENT AND TRADEMARK OFFICE

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

(68) PATENT NO. : 4,745,177
(45) ISSUED : May 17, 1988
(75) INVENTOR : Hans Fritz et al.
(73) PATENT OWNER : Novartis Corporation and UCP Gen-Pharma AG
(95) PRODUCT : IPRIVASK® (desirudin)

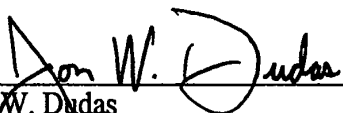
This is to certify that an application under 35 U.S.C. § 156 has been filed in the United States Patent and Trademark Office, requesting extension of the term of U.S. Patent No. 4,745,177 based upon the regulatory review of the product IPRIVASK® (desirudin) by the Food and Drug Administration. Since it appears that the requirements of the law have been met, this certificate extends the term of the patent for the period of

(94) Five years

from May 17, 2005, the original expiration date of the patent, subject to the payment of maintenance fees as provided by law, with all rights pertaining thereto as provided by 35 U.S.C. § 156(b).



I have caused the seal of the United States Patent and Trademark Office to be affixed this 1st day of May 2006.



Jon W. Dudas
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office