

ASSIGNMENT

WHEREAS, Jon J. McCarthy and James V. Howard (hereinafter "ASSIGNORS"), have invented a WAVELENGTH DISPERSIVE X-RAY SPECTROMETER WITH X-RAY COLLIMATOR OPTIC FOR INCREASED SENSITIVITY OVER A WIDE X-RAY ENERGY RANGE, for which application is being made for Letters Patent in the United States, said application being executed by ASSIGNORS on Jan. 25, 1999, and claiming priority from United States Provisional Application 60/072,776, filed on January 27, 1998;

WHEREAS, Noran Instruments, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Wisconsin, and having its principal office in Middleton, Wisconsin, is desirous of acquiring an interest in the APPLICATION;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which by ASSIGNORS from ASSIGNEE is hereby acknowledged, said ASSIGNORS, by these presents, do hereby sell, assign, and transfer unto ASSIGNEE the full and exclusive right, title, and interest for the territory of the United States of America, its territories and possessions, and for all foreign countries, in and to the invention as described in the above application and provisional application and in and to the patent application and the provisional application. The invention, application, provisional application, and Letters Patent are to be held and enjoyed by ASSIGNEE for its own use, and by its successors and assigns, to the full end of the term for which Letters Patents may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this Assignment and sale not been made.

ASSIGNORS do further hereby agree to provide all reasonable aid to

ASSIGNEE in the making and prosecuting of any application for other Letters Patent that ASSIGNEE may wish to make covering the invention claimed in the application and in vesting in ASSIGNEE like exclusive right, title, and interest in and to all such other application and resulting Letters Patent in similar proportion. ASSIGNORS hereby agree that ASSIGNORS will similarly aid ASSIGNEE in the prosecution of any interference that may arise involving any application for Letters Patent herein contemplated and that ASSIGNORS will execute and deliver to ASSIGNEE any and all additional papers that may be reasonably requested by ASSIGNEE to fully carry out the terms of this Assignment.

ASSIGNORS hereby authorize the ASSIGNEE or the attorney of record in the application to insert below the filing date and serial number of the application when that information is known:

Serial No.: 09/236,776

Filing Date: January 25, 1999

Executed this 25th day of January, 1999.

ASSIGNOR:

Jon J. McCarthy (SEAL)
Jon J. McCarthy

STATE OF WISCONSIN)
) ss.
COUNTY OF DANE)

Before me personally appeared Jon J. McCarthy, to me known to be the person identified as ASSIGNOR in the above Assignment, who signed the foregoing instrument in my presence and made oath before me to the allegations set forth therein as being under oath on the 25th day of January, 1999.

Cynthia J. Hall
Notary Public Cynthia J. Hall
My Commission: expires June 3, 2001

Executed this 25th day of JANUARY, 1999.

ASSIGNOR:

James V. Howard (SEAL)
James V. Howard

STATE OF WISCONSIN)
) ss.
COUNTY OF DANE)

Before me personally appeared James V. Howard, to me known to be the person identified as ASSIGNOR in the above Assignment, who signed the foregoing instrument in my presence and made oath before me to the allegations set forth therein as being under oath on the 25th day of January, 1999.

Cynthia J. Hall
Notary Public Cynthia J. Hall
My Commission: expires June 3, 2001