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SCIENTIFIC ELECTRONIC INSTRUMENT and MANUFACTURING CO. INCORPORATED

January 7, 1987

Dr. Raymond Damadian, President
Fonar Corporation
110 Marcus Drive
Melville, LI, NY 11733

Dear Dr. Damadian:

As I promised during our conversation yesterday, I read through your patent number 3,789,832. My knowledge and beliefs regarding the origins of Magnetic Resonance Imaging based upon my recollections and upon the information contained in your patent are as follows:

1. You expressed to me your intent to use NMR to differentiate between normal and cancerous tissue.
2. When you conducted a series of experiments with rats at NMR Specialties you observed a longer longitudinal relaxation time in cancerous tissue than in normal tissue.
3. You expressed to me your intent to "build an NMR instrument capable of containing a human body and to use that instrument for in-vivo diagnosis of pathology; especially, detecting and localizing cancer."
4. All of these events took place prior to Paul Yajko's departure from NMR Specialties which was in June of 1971. At the time of Paul Yajko's departure, your work and intentions were common knowledge at NMR Specialties and were openly discussed.

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5. During your visit to NMR Specialties in June of 1971 you gave me a copy of the Downstate Reporter that provided the first means I had ever seen for spatially localizing NMR information to produce a point by point scan. In 1977 you sent me a photograph of the first human image obtained by that method.

After Paul Yajko's departure from NMR Specialties, during the summer of 1971, and therefore after all of the above enumerated events, Paul Lauterbur, who succeeded Paul Yajko as president of NMR Specialties, discussed with me a plan for using an NMR spectrometer and field gradients for making pictures.

In summary, relative to current MRI scanning technology, I believe that you were the first to conceive of using the NMR technique in a manner that would permit a scan of NMR signals from the entire human body and the first to provide a method for spatially localizing that information to produce a point by point scan.

Sincerely,



G. D. Vickers
President

cc: Dr. Lawrence Minkoff