

DOUGLAS P. BURUM, PH.D.

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RÉSUMÉ IN BRIEF

PATENT AGENT with 25 years prior experience in marketing, sales, and development of technical products directed toward industrial, governmental, and educational customers across diverse industries in US and international markets.

- Registered before the US Patent and Trademark Office as a patent agent, providing patent prosecution counseling and services, including U.S. provisional, utility, and design patents, PCT patent applications, and related business matters.
- Technical skills include medical devices, NMR, MRI, analog and digital electronics, scientific instrumentation and methods, automated sample handling devices, process control, telecommunications, LASER optics, computer hardware and software. Author of more than 20 scientific publications, co-inventor of two company patents.

FORMAL EDUCATION

California Institute of Technology, Pasadena, CA:	Ph.D. Applied Physics, 1979
California Institute of Technology, Pasadena, CA:	MS, Applied Physics, 1975
Harvey Mudd College, Claremont, CA	Bachelor of Science, Physics, 1974

PROFESSIONAL EXPERIENCE

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| <u>Maine Cernota & Rardin</u> , Nashua, NH | 2009-Present |
| <ul style="list-style-type: none">• PATENT AGENT - Draft and prosecute patent applications for individual and corporate clients, including office action responses, foreign filings, continuations, continuations-in-part, and broadening re-issue applications. | |
| <u>Russ Weinzimmer & Associates.</u> , Milford, MA | 2007 – 2009 |
| <ul style="list-style-type: none">• SENIOR PATENT SPECIALIST – Wrote, filed, and prosecuted patent applications. Supervised all production aspects of the firm, including preparation of patents by junior associates and outsourcing groups. Prepared and filed PCT applications. | |
| <u>Universal Medical Systems</u> , Solon, OH | 2006 – 2007 |
| <ul style="list-style-type: none">• REGIONAL SALES REPRESENTATIVE - veterinary MRI and CT sales. | |
| <u>Progression Systems, Inc.</u> , Haverhill, MA | 2005 – 2006 |
| <ul style="list-style-type: none">• NMR SCIENTIST - Developed and implemented new magnetic resonance applications for process control | |
| <u>Hallmarq Veterinary Imaging Inc.</u> , Acton, MA | 2004 – 2005 |
| <ul style="list-style-type: none">• VICE PRESIDENT AND GENERAL MANAGER FOR NORTH AMERICA - Established and managed North American office for UK-based startup company manufacturing veterinary MRI. | |
| <u>MR Resources, Inc.</u> , Gardner, MA | 2002 - 2004 |
| <ul style="list-style-type: none">• NMR APPLICATIONS SCIENTIST AND SENIOR FIELD SERVICE ENGINEER - Provided telephone and field support to scientific instrumentation customers. | |
| <u>NMS Communications</u> , Framingham, MA | 2000- 2002 |
| <ul style="list-style-type: none">• PRODUCT MARKETING MANAGER - Managed the complete lifecycle of computerized telecommunication enabling products. | |

MR Resources, Inc., Gardner, MA

1998 - 2000

- VICE PRESIDENT OF SALES AND MARKETING - Directed all sales and marketing activities for all product lines of remanufactured research and MRI compatible products. Supervised the engineering and production group.

Bruker Instruments, Inc., Billerica, MA

1982 - 1998

- NATIONAL PRODUCT MANAGER - Developed sales strategies and visited customers to close key accounts. Directed a small group of product engineers in modifying and enhancing products based on customer requirements. Coordinated and edited drafts of all patents generated by the group. Co-inventor on two patents. Supervised development of marketing materials. Supervised and directed R&D projects. Developed and maintained quotation-generating software, sales-tracking database software and departmental LAN based on MS Windows NT network and SQL server.
- PRODUCT MANAGER - Organized and managed demonstration laboratory. Produced marketing materials, defined market positioning. Supervised all sales, installation and engineering support of NMR product line for analysis of solids. Worked closely with hardware and software product engineers to modify and enhance solid state NMR products based on customer requirements
- APPLICATIONS SPECIALIST - Demonstrated instrumentation to prospective customers. Performed beta-test of new software releases. Assisted in the installation and repair of products in the field. Provided customer training. Provided engineer training. Assisted in developing technical specifications and documentation.

IBM Research, San Jose, CA

1981 - 1982

- POST DOCTORAL RESEARCH ASSISTANT - Assisted in development of novel computer memory technology based on laser optical spectroscopy and optical/NMR double resonance

ETH (Swiss Federal Institute of Technology), Zurich, Switzerland

1979 - 1980

- POST DOCTORAL RESEARCH ASSISTANT - Assisted Dr. Richard Ernst in development of novel techniques for NMR research. Dr. Ernst was later awarded the Nobel Prize in Chemistry (1994).
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