INVESTIGATION OF LENR FOR ENERGY PRODUCTION

LENRGY COLLABORATION

SANTA FE AND WHITE ROCK, NEW MEXICO

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Summary

1 Introduction

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Cold fusion has the potential to revolutionize the world's supply of energy. Nevertheless, the claims by Fleischmann and Pons for such a source of energy were not accepted when they were announced 25 years ago and continue to be widely rejected even today. Although the energy can be initiated on occasion, lack of reliability hampers its use in practical applications. This rejection has denied the ability to acquire information required to create a practical application.

A book recently published by Dr. Edmund Storms provides a guide to help solve this problem. Although the path to this goal has been made clearer, a great deal more information and understanding is required. This study is best done in a laboratory where the skills and tools of modern science can be applied with emphasis on understanding.

The laboratory setting would allow the missing information to be discovered while engineering development takes place as result of this improved understanding. Once the heat producing reaction is made reliable, practical generators would be manufactured and sold by companies owned and controlled by the investors in the laboratory. The laboratory would continue as an independent organization devoted to improving and extending the applications.

LENRGY Laboratory is being created in northern New Mexico where considerable scientific talent is available as result of two nearby national laboratories (Los Alamos National Laboratory and Sandia National Laboratory). Arrangements will be made to obtain access to sophisticated equipment and personnel at these laboratories. Staff for LENRGY will be recruited from the national laboratories and from the pool of retirees living in the area. Attracting staff from elsewhere would be easy because the area offers an attractive life style.

Some discoveries made by the laboratory would be protected by patent, but most would be retained as trade secrets. This approach is necessary because patents claiming such energy production are not granted in the US and because patent protection elsewhere has become so uncertain. For this reason, the generators would be designed and constructed by companies having a close relationship to the laboratory. Dr. Storms has two provisional patents describing a plausible energy generator and the control system required to produce stable power from nuclear-active powder. Activity of the powder will be increased using a proprietary process.

The laboratory will be structured as a LLC registered in New Mexico. Ownership will be determined as investment funding is acquired. Presently, Dr. Storms and Dr. Grimshaw are the principles in the project. A management team will be hired, including the laboratory director, technical staff, senior advisors, and support personnel (e.g., attorneys, accountants). Initial funding will be used to support work in the private laboratories operated by Drs. Storms and Claytor.

These private laboratories have the capability to explore the phenomenon on a small scale, develop experiment procedures, and test claims for energy production. Work at this level will continue while funding is being acquired to form the larger LENRGY laboratory.

The strategy is to simultaneously conduct research for "LENR-active" materials based on recent advances in cold fusion explanation by Dr. Storms and to perform the required engineering for energy-producing generators that utilize the active materials. Two patents are pending for LENR generator design and for the control mechanism.

LENR generators are expected to produce both electrical power and heat for countless uses. Some of the electric power would be used to control and run the generator to achieve stand-alone operation. The generator will use powder placed in an atmosphere of H_2 as the source of energy. The LENR generators are designed to be relatively small with the ability to be can be combined for large-scale energy production.

2 Hypothesis Underpinnings

3 Investigations with Radiation Signatures

4 Investigations with Nuclear Product Signatures

5 Detailed Studies of Nuclear Active Environment

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9 Additional Information

Additional information about the SSET organization, goals and methods is available upon request.

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Appendix A. Resumes

Appendix B. Existing Laboratory Assets

Appendix C. [TBD]