

Joseph Papp Nobel Gas Engine Shows Early LENR?

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The poster will cover the history, experiments and technical insights of the inventor Joseph Papp and his noble gas engine and connect them to the LENR paradigm. There are three separate demonstrations and explosions ($\sim 10^{12}$ J/Kg) that occurred with this noble gas technology: one with the Naval Undersea Warfare Laboratory and the other in the Environetics parking lot (1968) and at TRW in the presence of many witnesses including Dr. Richard Feynman. A technical forensic content analysis of the patents and lawsuits will be presented. A timeline of the technology development from the beginning in Hungary to Papp's death in 1989 will be shown. Many sources are used in this preparation, from FBI interviews, newspaper articles, police files, court documents, corner reports, magazine articles and TRW witness interviews. Legal counsel responsible for managing the court-ordered settlement for Papp and Environetics was interviewed. A summary of technical claims and sources will be presented and analyzed.

The results of the technical data investigation show that a reasonable man would conclude that there is novel energy. This is likely accomplished by some LENR process not fully understood. One theory of operation is that a gaseous photochlorination chain reaction in the presence of hydrogen (via electrolysis) and spark ignition in a toroidal cylinder causes a rapid expansion and then slower recombination of gases inside the Papp Engine. Walter Nernst (Nobel Prize in Chemistry) worked in this area and R.G.W. Norrish's science in photochemistry showed that chlorine & hydrogen have sharp limits of pressure, varying markedly with temperature, below which the chain reaction is slow and above which it becomes explosive. This may be what is happening in the Papp Engine. This conclusion is based on the, historical science, witness testimony, film evidence, patents, official interviews and one historical certified power-in power-out controlled test. However, to date this technology although allegedly replicated by several independent groups has failed to create a working engine system for high quality 3rd party validation testing.

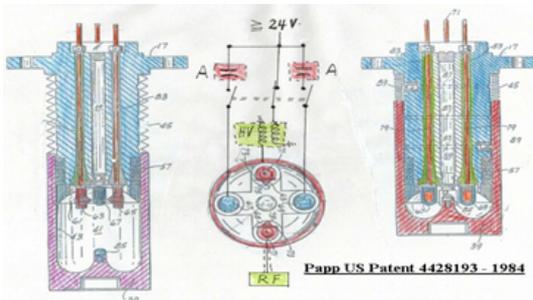


Figure 1: Engine cylinder configuration of Joe Papp noble gas engine

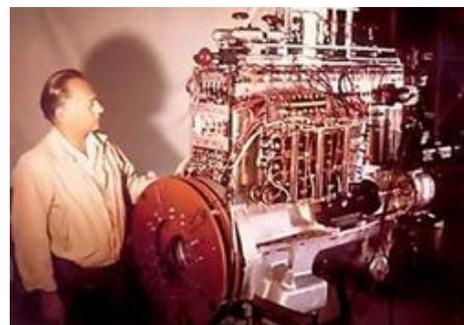


Figure 2: Joe Papp pictured next to engine

[1] Ryan S. Wood "Does spark-initiated pulsed plasma of a hydrogen, chlorine, and noble gas soup in the presence radioactive metals indicate novel energy?", 2014 SSE Conference, San Francisco, CA