

- Lamarr died in Casselberry, Florida on January 19, 2000, aged 85.



August 8, 1942 Hedy Lamarr is granted a **patent for the secret information system** to help prevent interference for torpedoes.

### **Hedy Lamarr's patent for life**

In the early 1940s, she met composer and pianist **George Antheil** , a pioneer in the field of music mechanization and automatic synchronization of instruments. The pair together thought about applying the principles of pianola into a confidential information system that helps prevent interference for radio-controlled torpedoes.

Continuously changing frequency is the key to Hedy's invention, she sketched her idea on the back of a napkin. In other words, the radio signal always changes the frequency so that it cannot be blocked.

In August 1942, Lamarr and composer George Antheil **patented this secret information system** .

According to Stephn Michael Shearer, Lamarr's biographer and author of Beautiful: The Life of Hedy Lamarr, thinks there are two reasons why the system is not applied immediately.

First, at that time the government did not understand or was not the right time for the idea of a wireless communication system. The second reason may be due to the unusual history of the inventors. " *Hedy was 20 years ahead of her time,* " said Anthony Loder, her son. He added that his mother had no intention of making money from the invention. She gave it to the US Navy.



June 15: Benjamin Franklin performs the first lightning experiment with kite wings