

**ELECTRONIC INVENTION INFO**  
**7<sup>TH</sup> INT'L INVENTORS'S DAY (IID) VIRTUAL CELEBRATION**  
**2014 JUNE 13, HUNGARY**

1. **PHILIPPINES: MANILA INNOVATION DEVELOPMENT SOCIETY (MINDS),  
INC.**



2. **FIRST EVER PATENTED INVENTION IN PHILIPPINES**



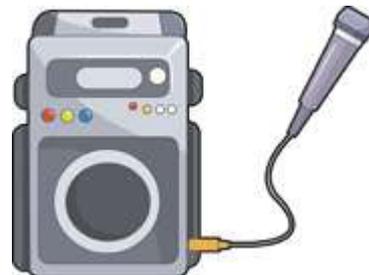
**TITLE:** *Process of Extracting Vegetable Oil from Fresh, Mature Coconut Meat*

**PATENT INFO:** Philippine Patent Office Patent No. 1, issued 1948 September 14

**INVENTORS:** Pablo Robledano and Eduardo Ruiz de Luzuriaga

**DESCRIPTION:** This invention was the first ever registered by the Philippines Patent Office which opened in June 20, 1947. It reflects the times when the Philippines was a top coconut product exporter. Coconut was the leading source of vegetable oil in the world until it was surpassed by soybean in the 1960s.

3. **TOP THREE PHILIPPINES PATENTED INVENTIONS IN THE 20<sup>TH</sup> CENTURY**



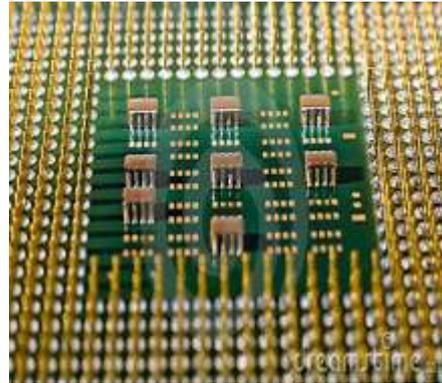
3.1

**TITLE:** *Sing- Along System* (commonly known as the *Karaoke*)

**PATENT INFO:** IPPHIL UM-5269, issued 1986 February 18

**INVENTOR:** Roberto del Rosario, 1921-2003

DESCRIPTION: The Sing-Along System (SAS) is a form of interactive entertainment in which amateur singers sing along with recorded music or music video using a microphone and public address system. The music is typically a well-known pop song minus the lead vocal. Lyrics are usually displayed on a video screen, along with a moving symbol, changing color, or music video images, to guide the singer. The SAS won a WIPO Gold Medal for Best Invention in 1986. Del Rosario was the first Filipino elected member of the IFIA Executive Committee.



3.2

TITLE: ***Microprocessor Chips***

INVENTOR: Diosdado Banatao

DESCRIPTION: Diosdado Banatao is widely considered the Filipino equivalent to Microsoft founder, Bill Gates. Similar to Gates, Banatao came from a technical background and made large contributions to microprocessing technology. His innovations make up about 30% of every computer in the world today. Banatao is credited for several key inventions, such as: the first single chip, 16 bit microprocessor-based calculator and the first Microsoft Windows graphics accelerator chip. He co-founded companies such as Mostron, Chips and Technologies and S3 Graphics and Technologies -- all of which were eventually acquired by Intel.



3.3



TITLE: *Incubator*

INVENTOR: Fe del Mundo, MD

DESCRIPTION: Fe Del Mundo is the first Asian to have entered the Harvard School of Medicine. She is primarily credited for her invention of the incubator designed specifically for medicinal use in rural areas. In particular, her incubator design is constructed with two laundry baskets and hot water bottles, allowing it to run without electricity. She also contributed toward the creation of several medical journals in the United States, India and the Philippines. She received the Elizabeth Blackwell Award in 1966 and the Ramon Magsaysay Award in 1977 for her outstanding service to society.

#### 4. TOP THREE PHILIPPINES PATENTED INVENTIONS IN THE 21<sup>ST</sup> CENTURY



4.1

TITLE: *Non-surgical Removal of Skin Growths*

INVENTOR: Rolando dela Cruz

DESCRIPTION: With no medical background, this former barber patented WIPO Gold Medal-winning formulae made from cashew nuts for the non-surgical removal of warts, moles and, lately, an anti-cancer skin cream called DeBCC for the treatment of basal cell carcinoma, which is a common form of skin cancer, without leaving any scar or any unwanted side effect.

4.2



TITLE: *Hydro-Bunker Fuel*

INVENTOR: Rudy Lantano

DESCRIPTION: Breaking the myth that oil and water do not mix, Filipino plant mechanic Rudy Lantano has developed a cheap and environmental- friendly industrial fuel composed of 40-50 per cent water, 50 per cent bunker oil and 5 per cent additives now domestically sold commercially to power factories, power plants, boilers and generators. It won a WIPO Gold Medal for Outstanding Invention.

4.3



TITLE: *Biogas from Water Lily*

INVENTOR: Yasmin Espiritu

DESCRIPTION: A sustainable and economic control means battling floods that have killed scores of people and turned thousands out of their homes caused by infestation by water lily choking main water bodies, hindering access to harbors and docking areas, preventing access by small fishermen to fishing sites and seriously threatening biodiversity. Also, phases in renewable biogas cooking fuel replacing pricy LPG. ###