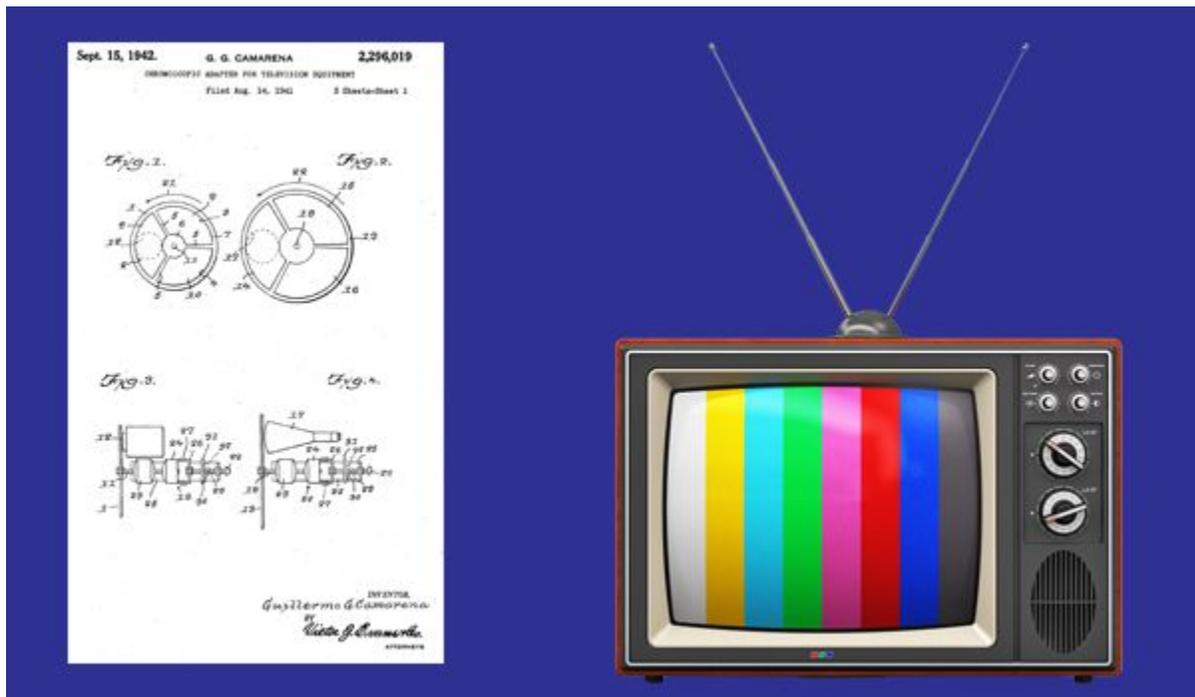


Hispanic Heritage and Inventions

National Hispanic Heritage Month, held each year from September 15 - October 15, celebrates Hispanic cultures and heritage and recognizes the many contributions Hispanic Americans have made to this nation.

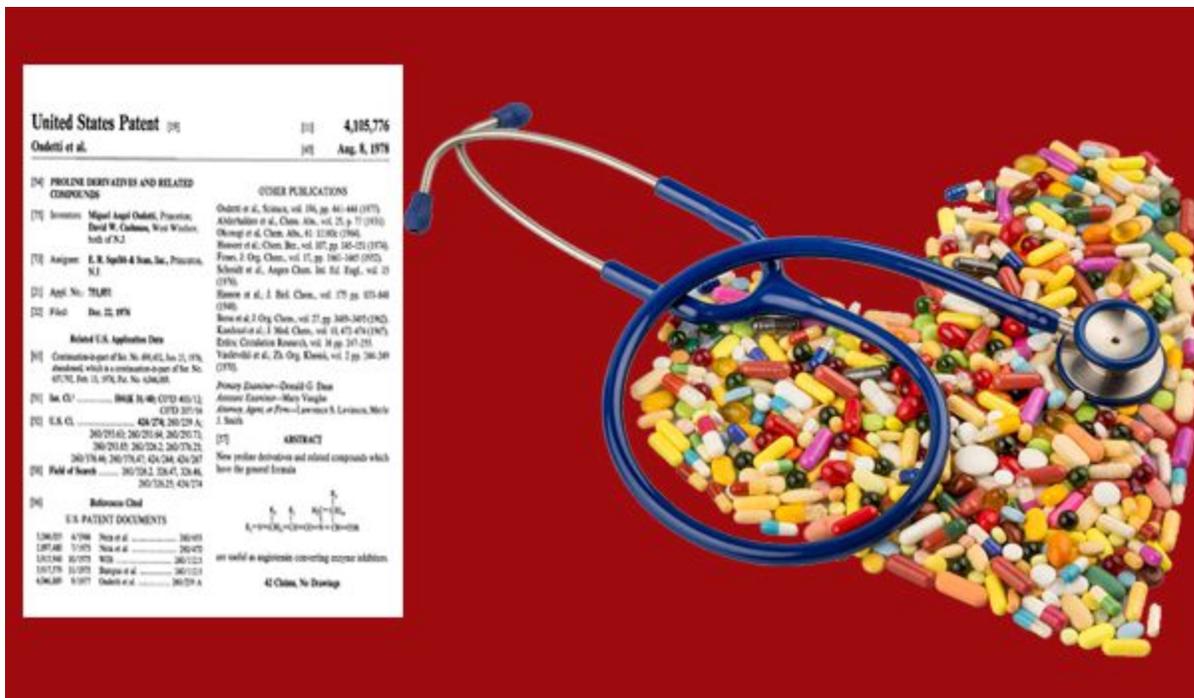
In conjunction with Hispanic Heritage Month, the Department of Commerce's United States Patent and Trademark Office is recognizing some Hispanic Americans whose inventions contributed to the nation's social and economic well-being.

Guillermo González Camarena



Born in Guadalajara, México, Guillermo González Camarena was granted U.S. Patent [2,296,019](#) for a "Chromoscopic adapter for television equipment", an early color television transmission system. His invention was used in NASA's Voyager mission in 1979 to take pictures and video of Jupiter.

Miguel Angel Ondetti



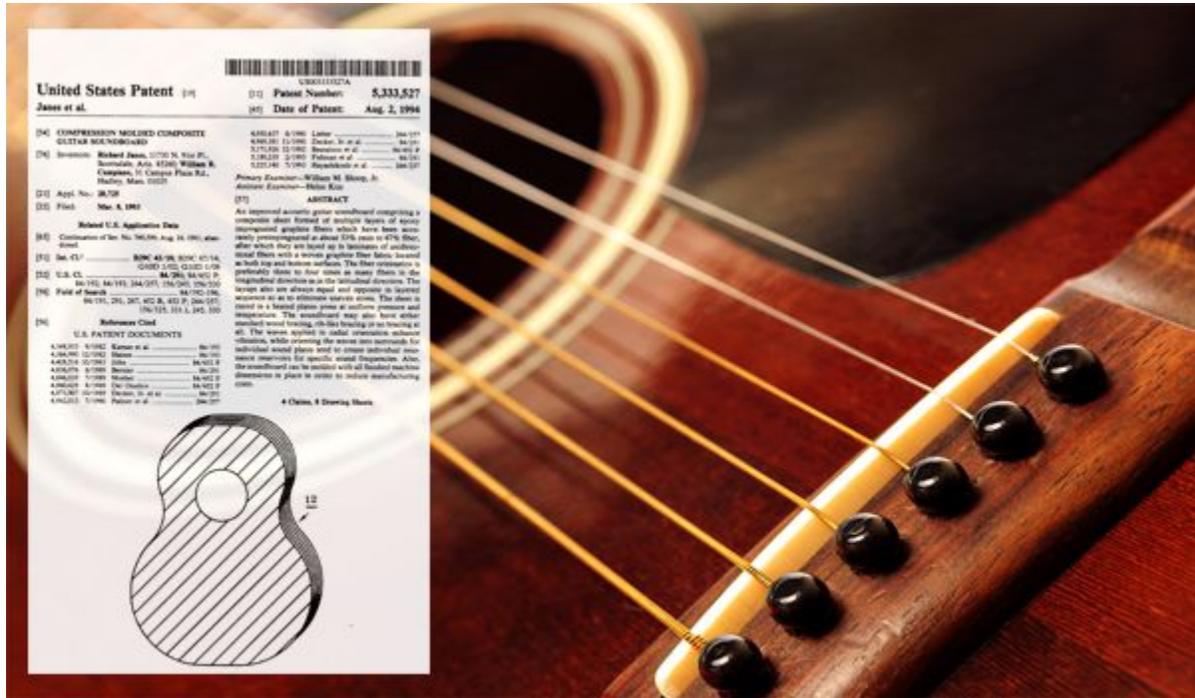
Born in Buenos Aires, Argentina, Miguel Angel Ondetti has been granted more than 100 patents, including U.S. Patent [4,105,776](#) for "Proline Derivatives and Related Compounds" also known as angiotensin converting enzyme (ACE) inhibitors to treat hypertension. He was also inducted into the [National Inventors Hall of Fame](#) in 2007.

Claudio Castellón Lévano



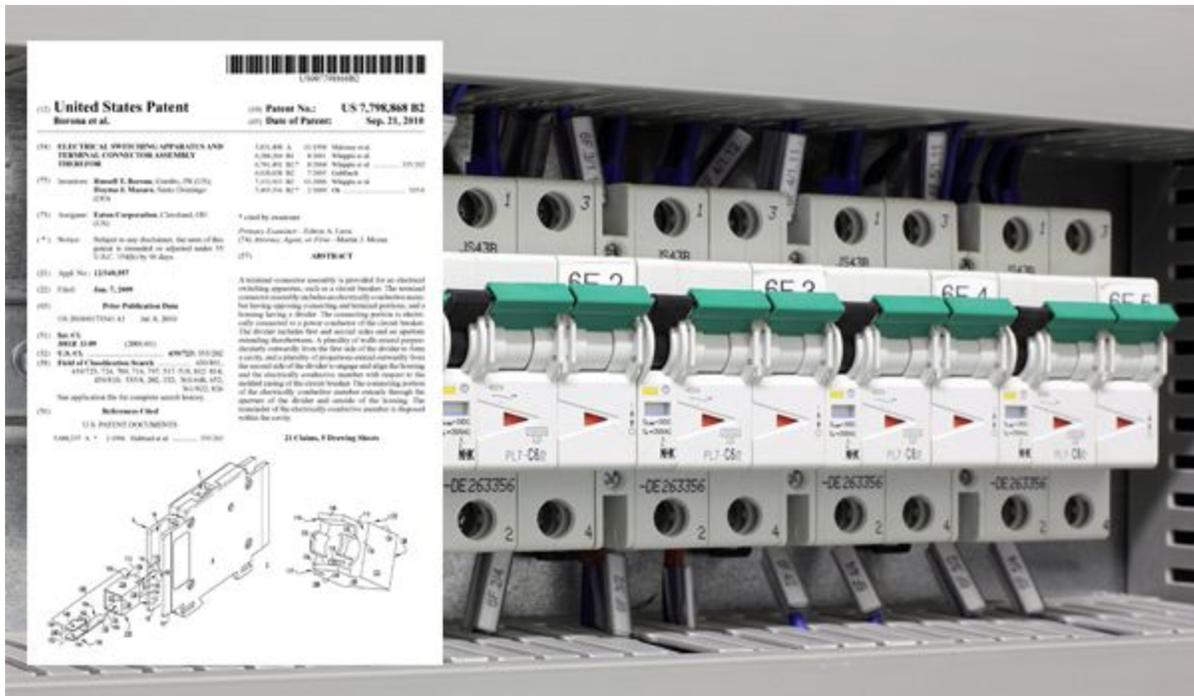
Born in Perú, Claudio Castellón Lévano was granted U.S. Patent [6,884,211](#) for a "Neonatal Artificial Bubble" that improves the intensive care of high-risk newborns.

William R. Cumpiano



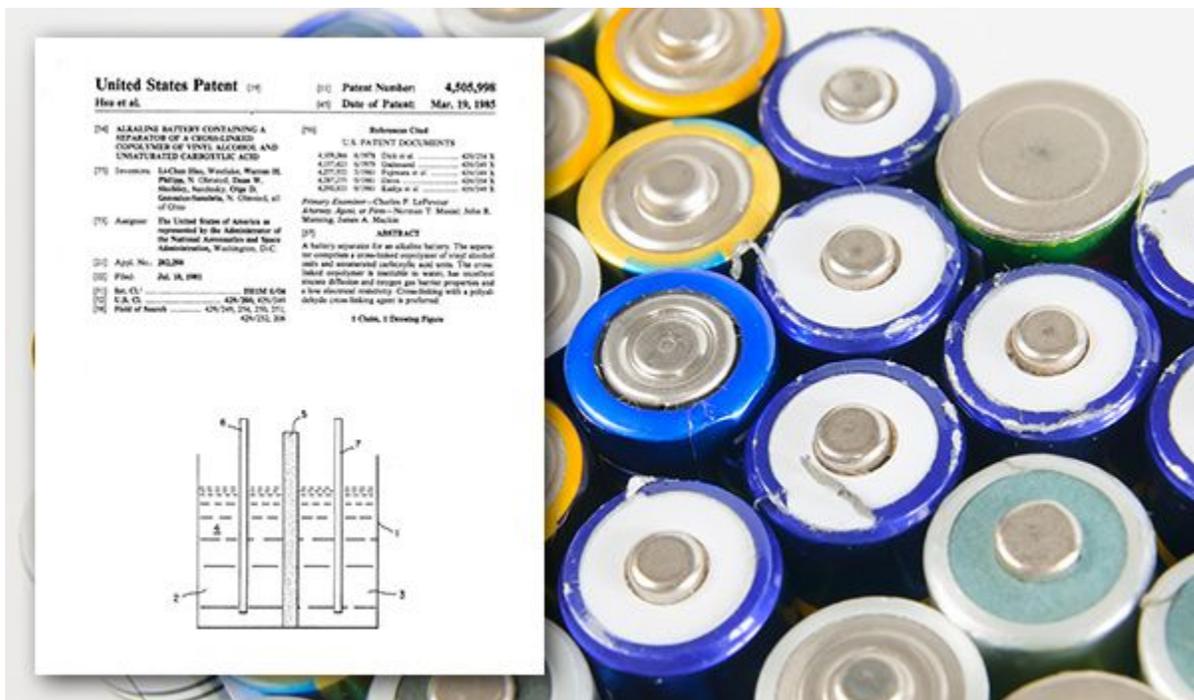
Born in San Juan, Puerto Rico, William R. Cumpiano was granted U.S. Patent [5,333,527](#) for a "Compression Molding Composite Guitar Soundboard."

Hoyma J. Mazara



Born in the Dominican Republic, Hoyma J. Mazara was granted U.S. Patent [7,798,868](#) for "Electrical Switching Apparatus and Terminal Connector Assembly thereof" and U.S. Patent 7,695,313 for "Electrical Enclosure, and Panel Assembly and Mounting Assembly therefor."

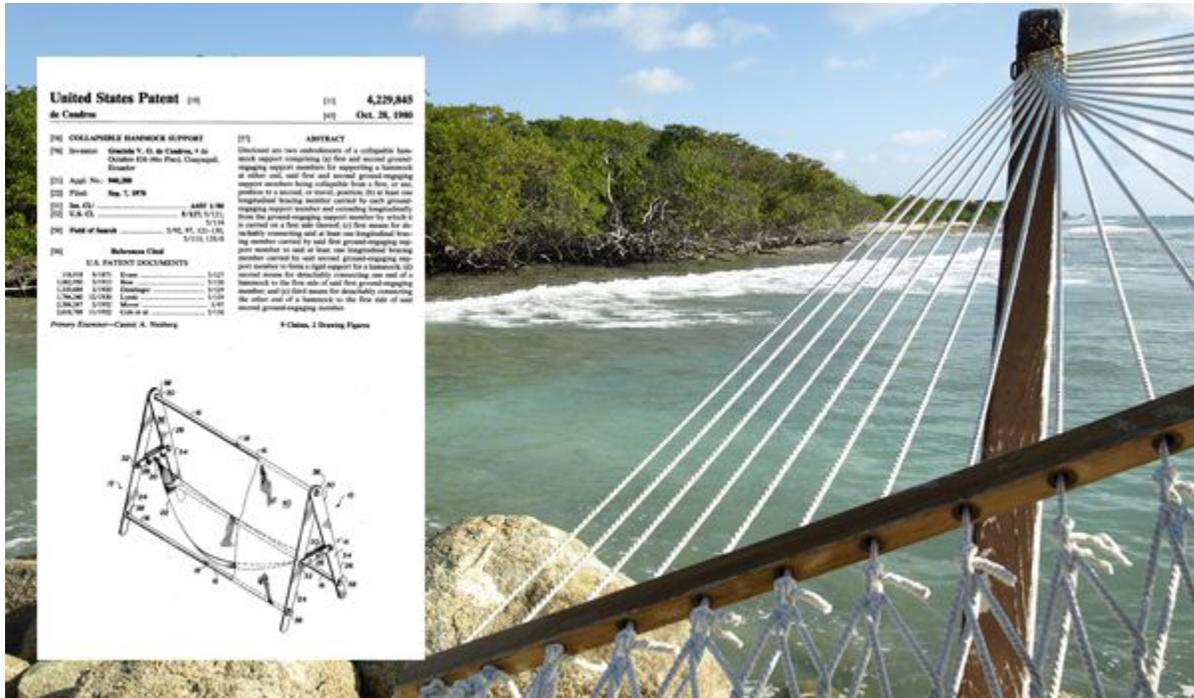
Olga D. González-Sanabria



Born in Puerto Rico, Olga D. González-Sanabria was granted U.S. Patent [4,505,998](#) for "Alkaline Battery Containing a Separator of a Cross-Linked Polymer of Vinyl Alcohol and Unsaturated

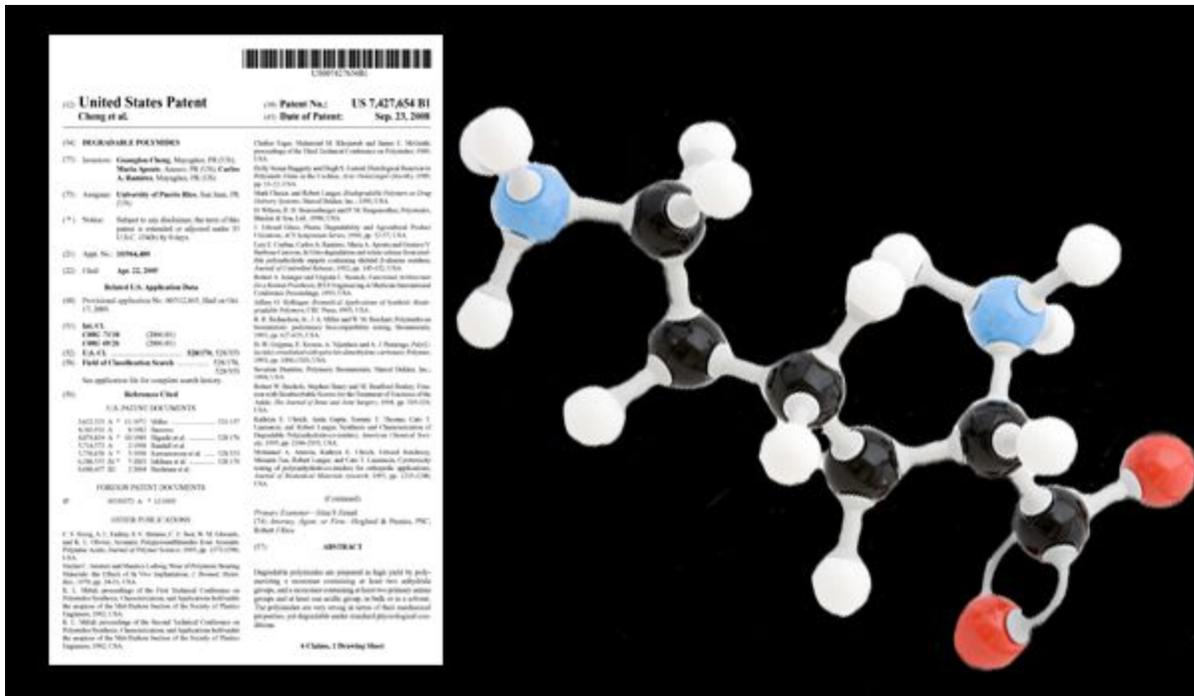
Carboxylic Acid." González-Sanabria became the highest ranking Hispanic at NASA's Glenn Research Center in 2002.

Graciela V.O. de Cuadros



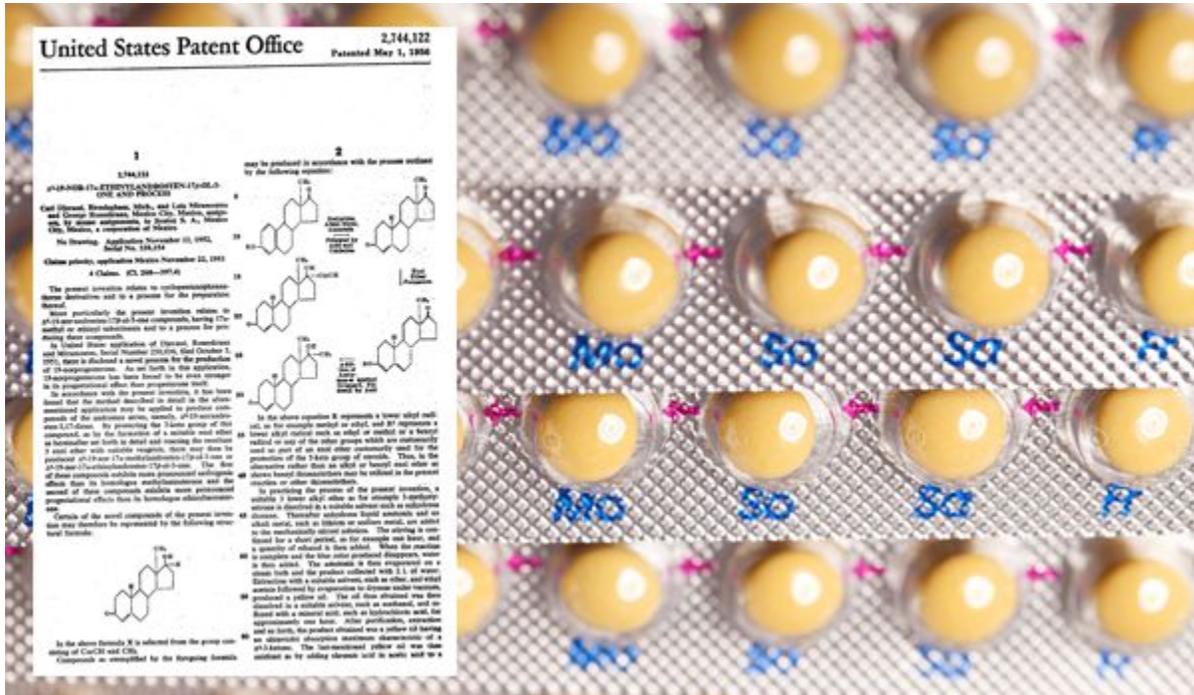
Born in Ecuador, Graciela V.O. de Cuadros was granted U.S. Patents [4,229,845](#) and [5,046,203](#) for a "Collapsible Hammock Support."

Guanglou Cheng, Carlos A. Ramirez, and María Aponte



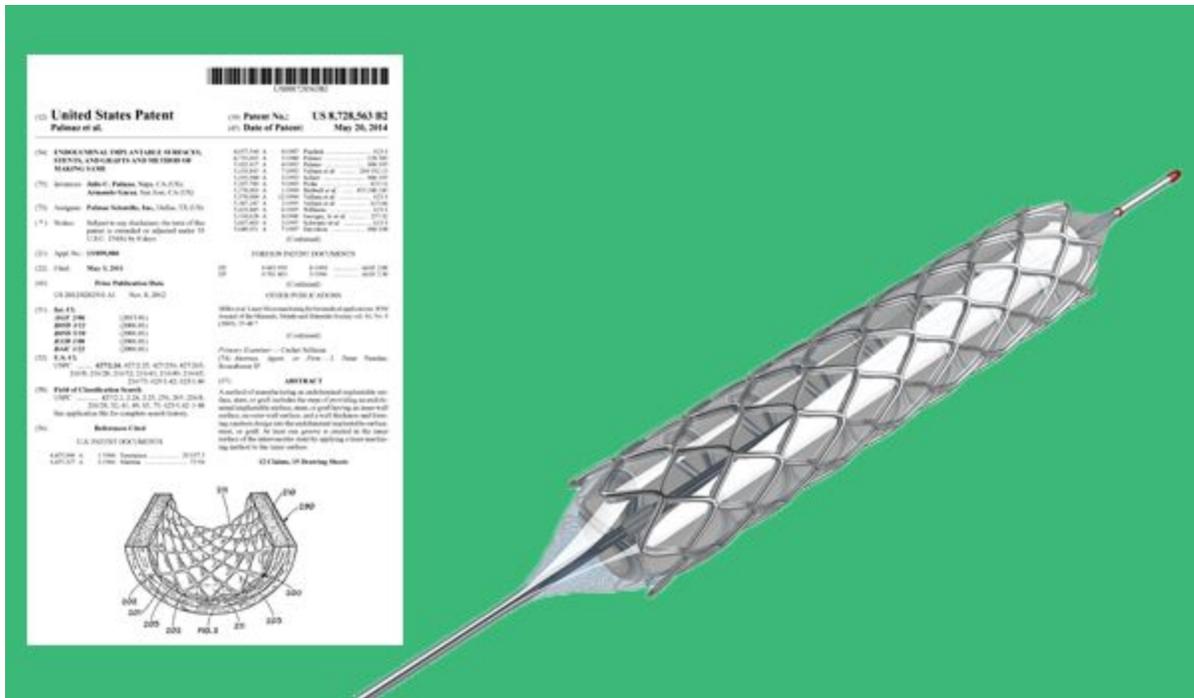
Born in Puerto Rico, Guanglou Cheng, Carlos A. Ramirez, and María Aponte were granted U.S. Patent [7,427,654](#) for "Degradable Polyimides" for use in medical applications.

Luis Miramontes



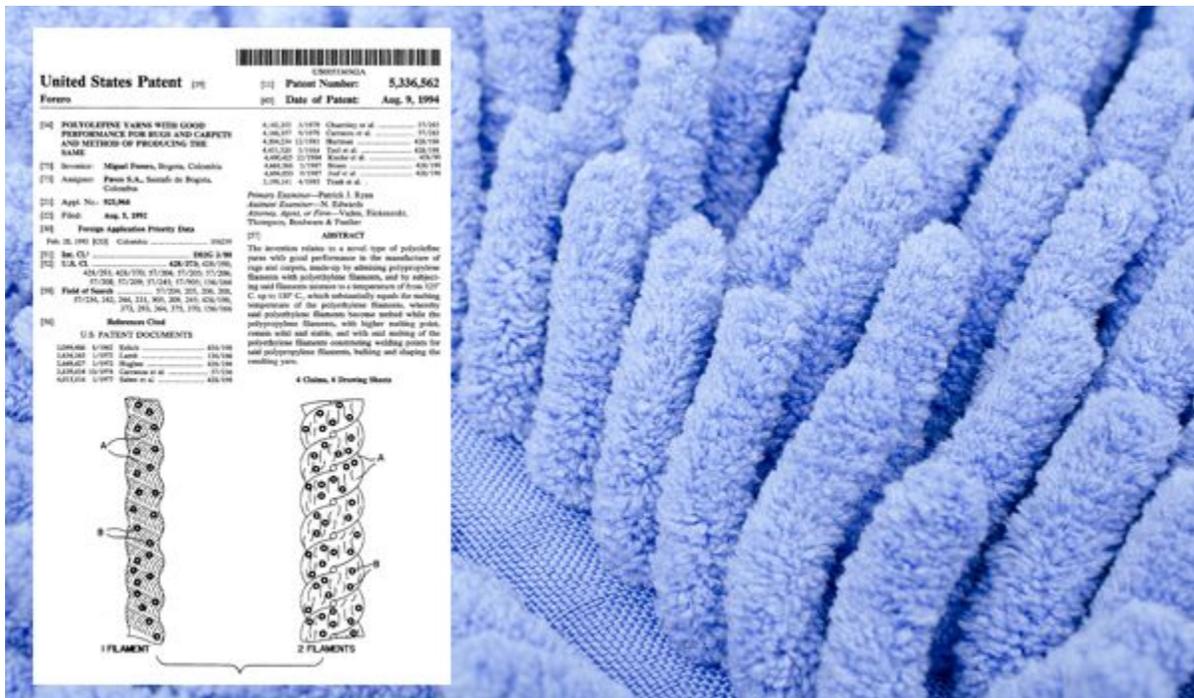
Born in México, Luis Miramontes was granted U.S. Patent [2,744,122](#) for progestin norethindrone for use in oral contraceptives.

Julio C. Palmaz



Born in Argentina, Julio C. Palmaz was granted over 40 patents, including his most recent - U.S. Patent [8,728,563](#) for "Endoluminal Implantable Surfaces, Stents, and Grafts and Method of Making Same." He was inducted into the [National Inventors Hall of Fame](#) in 2006.

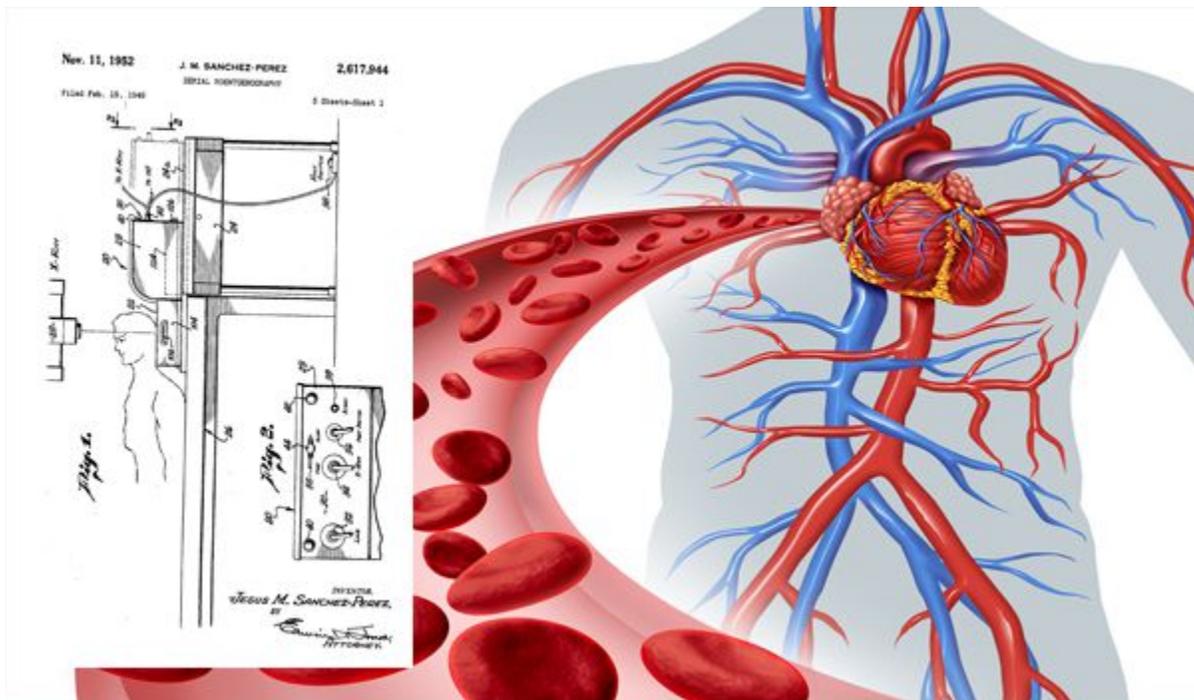
Miguel Forero



Born in Colombia, Miguel Forero was granted U.S. Patent [5,336,562](#) for "Polyolefin Yarns with Good Performance for Rugs and Carpets and Method of Producing the Same" and U.S.

Patent [5,556,684](#) "Manufacturing Process for Synthetic Fiber Carpets Fixed by Fusion at Regular Intervals with Crests or Tufts, without Using Glues or Using Small Amounts of Glues, where Threads Do not Loosen and thus Obtaining the Carpets."

Jesus Maria Sanchez-Pérez

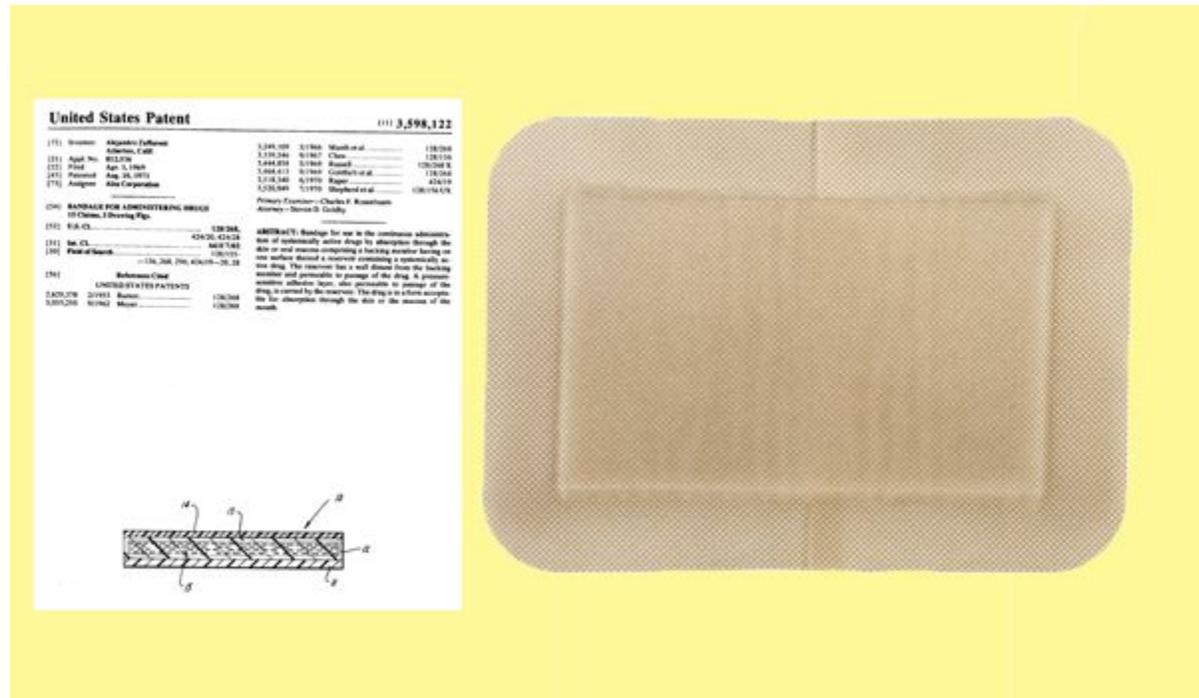


Born in Spain, Jesus Maria Sanchez-Pérez is a neurosurgeon that was granted U.S. Patent [2,617,944](#) for "Serial Roentgenography" circulatory system x-rays.

Jacobo G. Maria

Born in Costa Rica, William Vásquez Ulate was granted U.S. Plant Patent [PP21,549](#) for a "Dracaena Plant named 'Lauren.'"

Alejandro Zaffaroni



Born in Uruguay, Alejandro Zaffaroni has been granted over 45 patents to date, including U.S. Patent [3,598,122](#) "Bandage for Administering Drugs." He was inducted into the [National Inventors Hall of Fame](#) in 2012.

Lydia Villa-Komaroff



Born in México, Lydia Villa-Komaroff has been granted U.S. Patent [4,565,785](#) for "Recombinant DNA Molecule" and U.S. Patent [4,411,994](#) for "Protein Synthesis." She was the third Mexican-American woman to earn a doctorate in the sciences in the U.S.

Fernando Torres



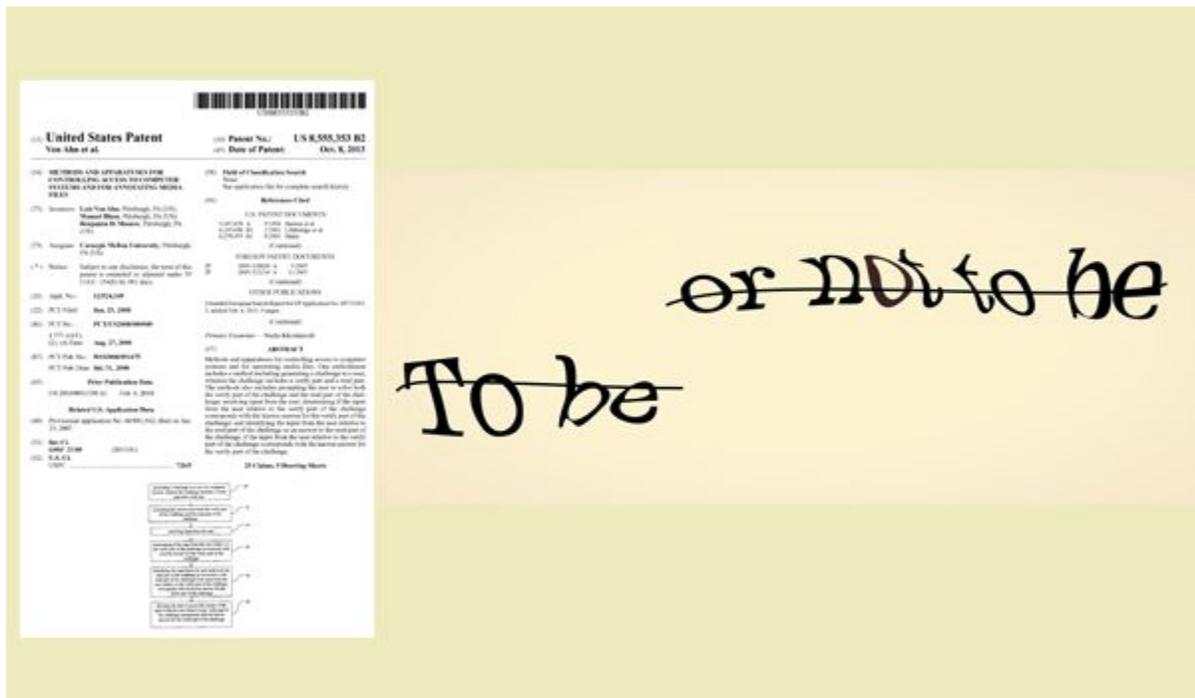
Born in Nicaragua, Fernando Torres has four patents, including U.S. Patent [8,478,341](#) for "Automatic Selection of SIM Cards in Mobile Devices."

Alberto P. Herrera and Sebastian A. Vieto



Born in Panamá, Alberto P. Herrera and Sebastian A. Vieto were granted U.S. Patent [4,195,080](#) for "Insecticidal Use of Orange Juice Essence Oil."

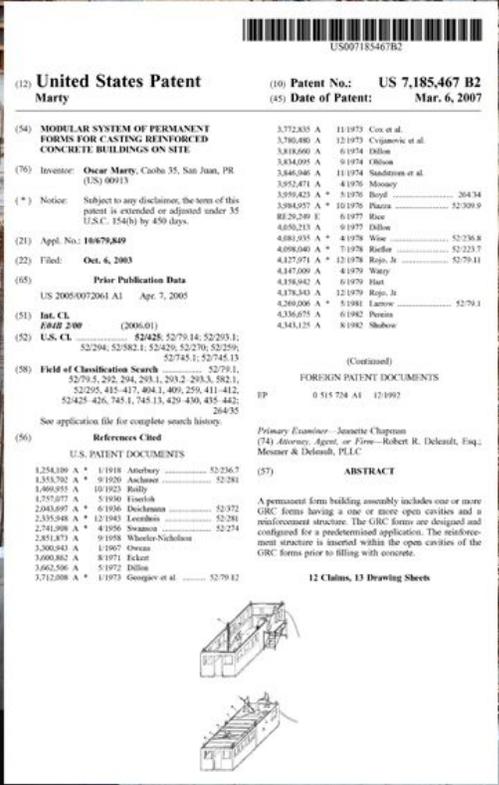
Luis Von Ahn



Born in Guatemala City, Dr. Luis Von Ahn was granted U.S. Patent [8,555,353](#) for "Methods and Apparatuses for Controlling Access to Computer Systems and for Annotating Media Files" - or Captcha for distinguishing human from machine input to prevent spam and automated extraction of data from web sites.

Oscar Marty





United States Patent
Marty

(10) Patent No.: **US 7,185,467 B2**
(45) Date of Patent: **Mar. 6, 2007**

(54) **MODULAR SYSTEM OF PERMANENT FORMS FOR CASTING REINFORCED CONCRETE BUILDINGS ON SITE**

(76) Inventor: **Oscar Marty**, Cacha 35, San Juan, PR (US) 00913

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 450 days.

(21) Appl. No. **10679,849**

(22) Filed: **Oct. 6, 2003**

(65) **Prior Publication Data**
US 2005/0072061 A1 Apr. 7, 2005

(51) **Int. Cl.**
H04B 2/00 (2006.01)

(52) **U.S. Cl.** **52/425; 52/79.14; 52/293.1; 52/294; 52/382.1; 52/420; 52/270; 52/259; 52/745.1; 52/745.13**

(58) **Field of Classification Search** **52/79.1; 52/79.1; 292; 294; 293.1; 293.2; 293.3; 382.1; 52/295; 415-417; 404.1; 409; 259; 411-412; 52/425-426; 745.1; 745.13; 429-430; 435-442; 264/35**

See application file for complete search history.

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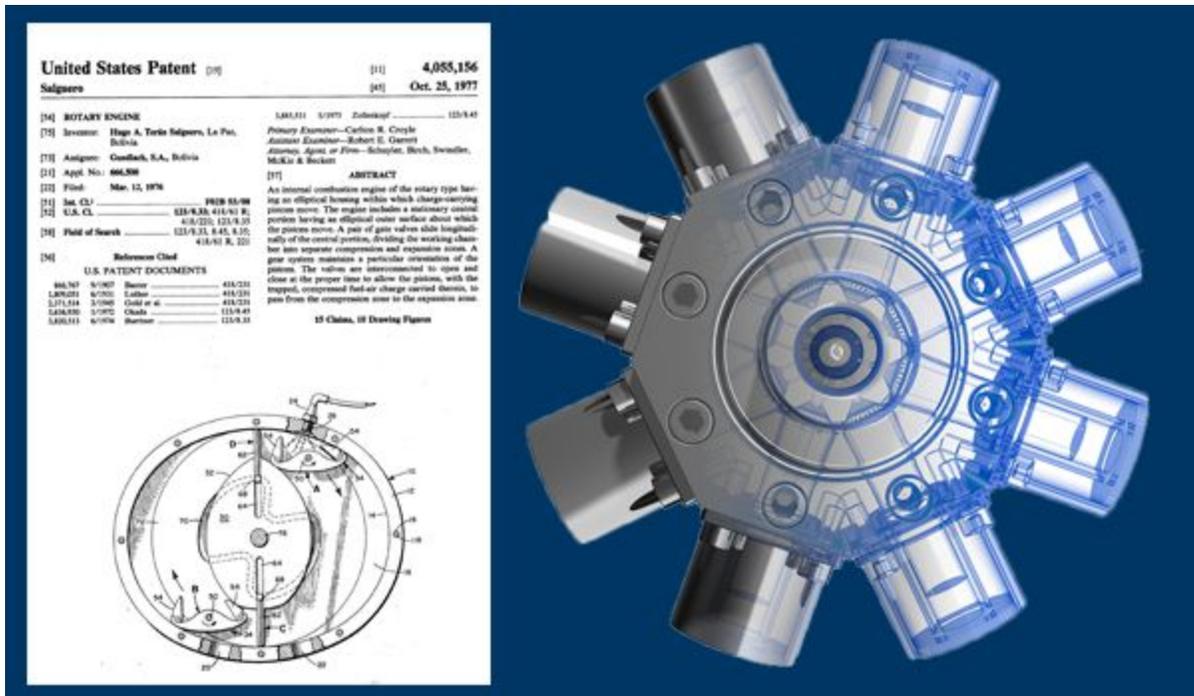
ABSTRACT

A permanent form building assembly includes one or more GRC forms having a one or more open cavities and a reinforcement structure. The GRC forms are designed and configured for a predetermined application. The reinforcement structure is inserted within the open cavities of the GRC forms prior to filling with concrete.

12 Claims, 13 Drawing Sheets

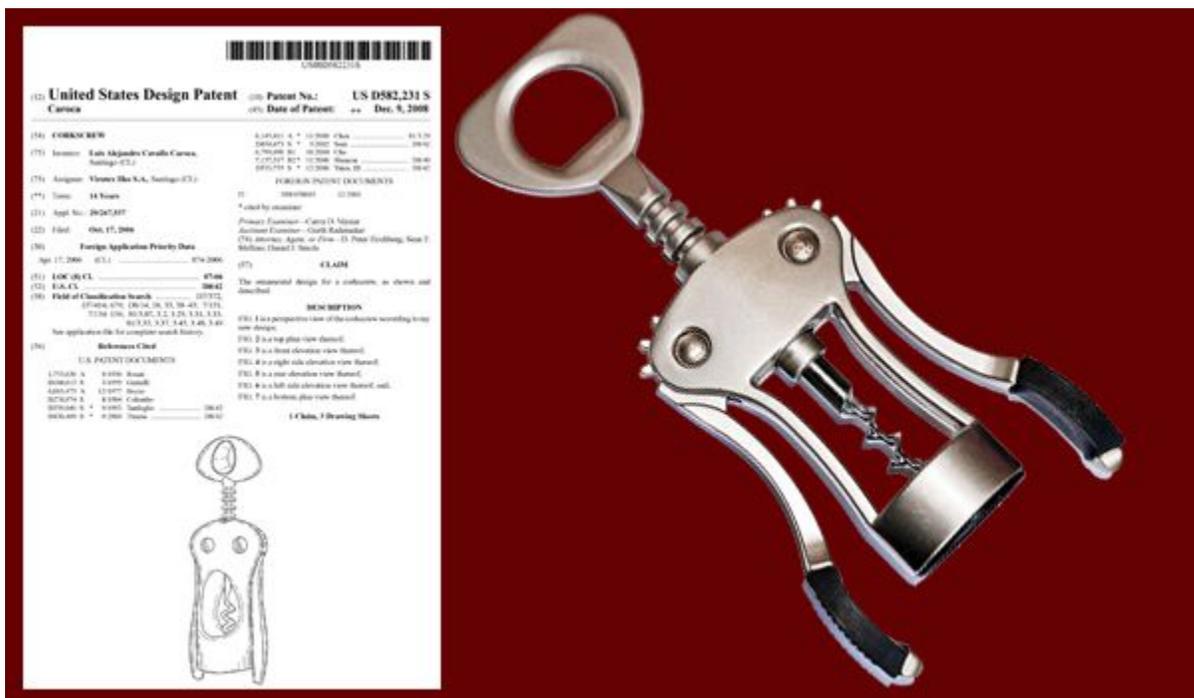
Born in Puerto Rico, Oscar Marty was granted U.S. Patent [7,185,467](#) for a "Modular system of forms for casting reinforced concrete buildings on site."

Hugo Terán Salguero



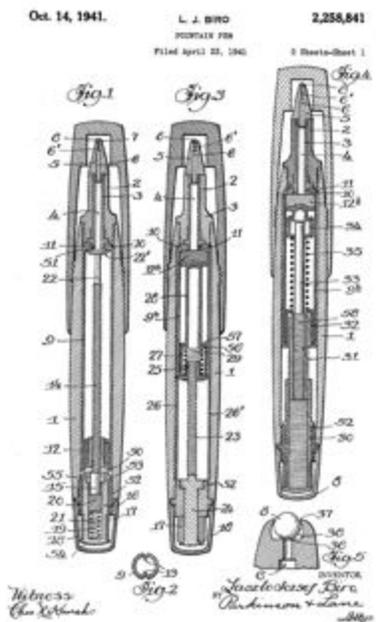
Born in Bolivia, Hugo Terán Salguero was granted U.S. Patent [4,055,156](#) for a "Rotary Engine."

Luis Alejandro Cavallo Caroca



Born in Chile, Luis Alejandro Cavallo Caroca was granted U.S. Design Patent [D582,231](#) for the "Ornamental Design of a Corkscrew" and also U.S. Design Patent [D584,122](#) for the "Ornamental Design of Scissors."

Jozsef Biró Laszlo



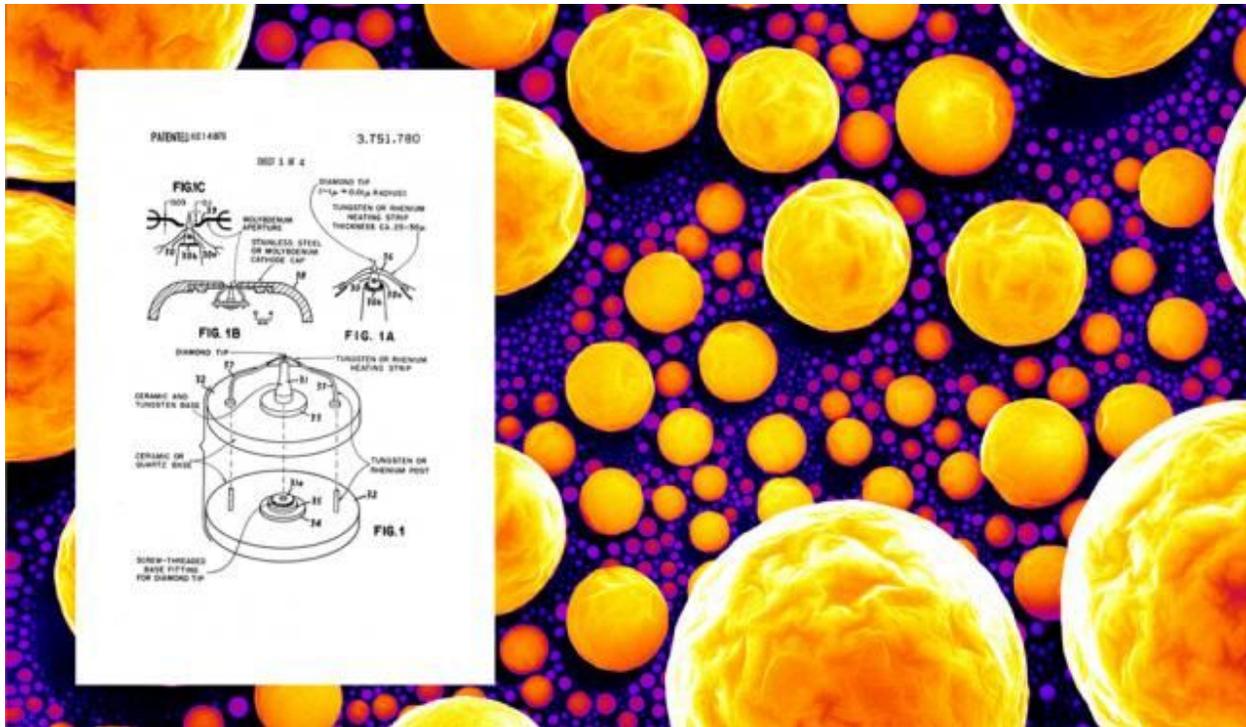
Born in Hungary and then later he migrated to Argentina, Jozsef Biró Laszlo was granted U.S. Patent [2,258,841](#) October 14, 1941 for a "Fountain Pen" - the father of the modern ballpoint pen.

Elena T. Medo



Born in California, Elena T. Medo has been granted nine U.S. Patents, including U.S. Patent [5,971,952](#) for a "Breast Pump System Using Wall Vacuum Source."

Humberto Fernandez-Moran Villalobos



A native of Venezuela, Dr. Humberto Fernandez-Moran Villalobos invented and patented the diamond scalpel. Dr. Villalobos would combine his highly precise scalpel with a microtome into a new device that enabled researchers to cut very thin slices of tissue, minerals or plant matter to be examined under the microscope.