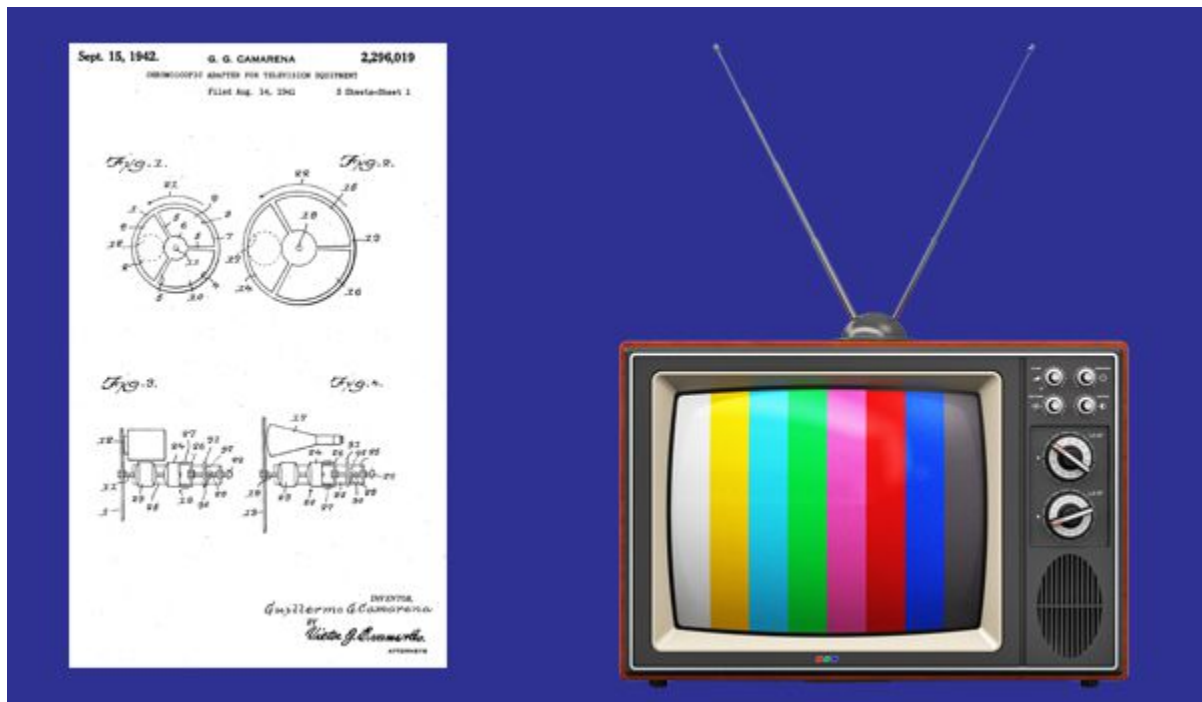


Hispanic Heritage and Inventions

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.

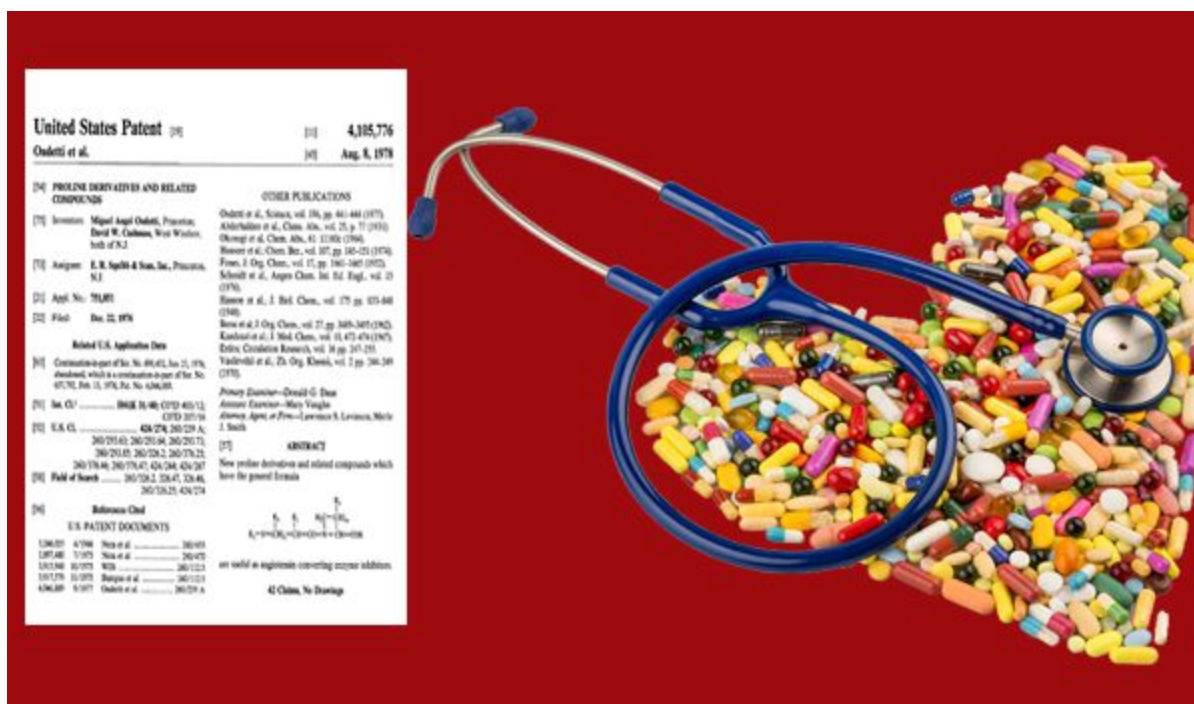
In conjunction with Hispanic Heritage Month, the Department of Commerce's United States Patent and Trademark Office is recognizing some Hispanic Americans whose inventions contributed to the nation's social and economic well-being.

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



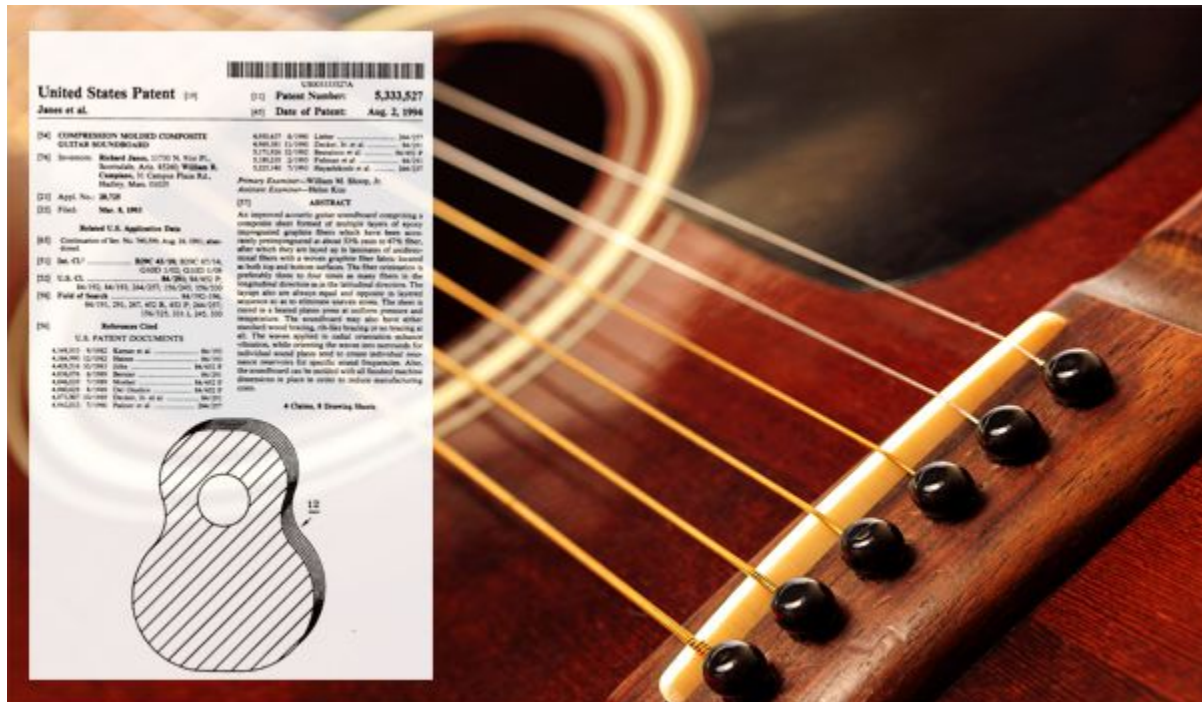
Born in Buenos Aires, Argentina, Miguel Angel Ondetti has been granted more than 100 patents, including U.S. Patent [4,105,776](#) for "Proline Derivatives and Related Compounds" also known as angiotensin converting enzyme (ACE) inhibitors to treat hypertension. He was also inducted into the [National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

Claudio Castillón Lévano



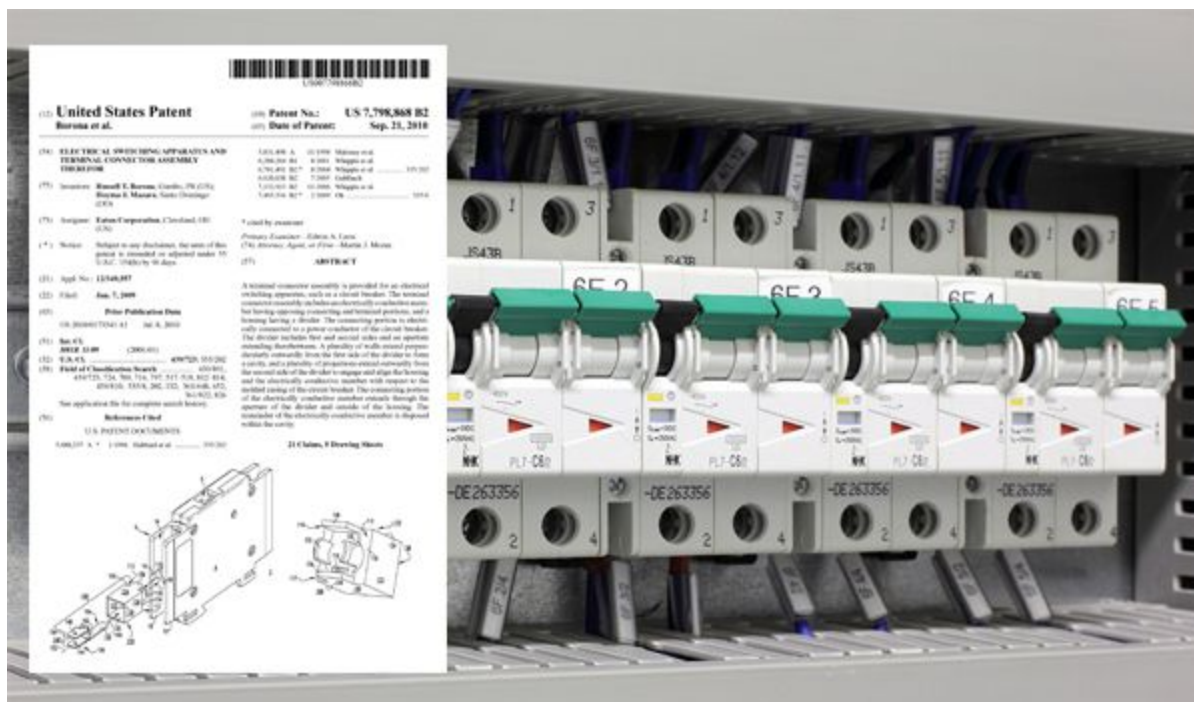
Born in Perú, Claudio Castillón Lévano was granted U.S. Patent [6,884,211](#) for a "Neonatal Artificial Bubble" that improves the intensive care of high-risk newborns.

William R. Cumpiano



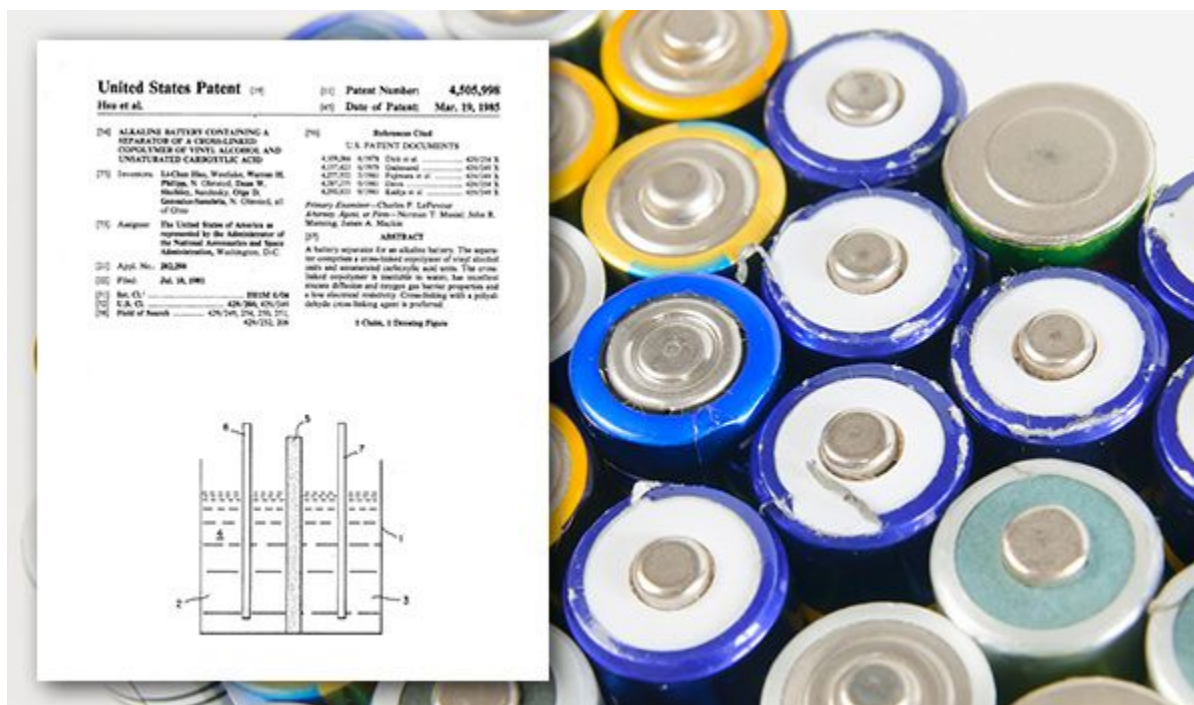
Born in San Juan, Puerto Rico, William R. Cumpiano was granted U.S. Patent [5,333,527](#) for a "Compression Molded Composite Guitar Soundboard."

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."

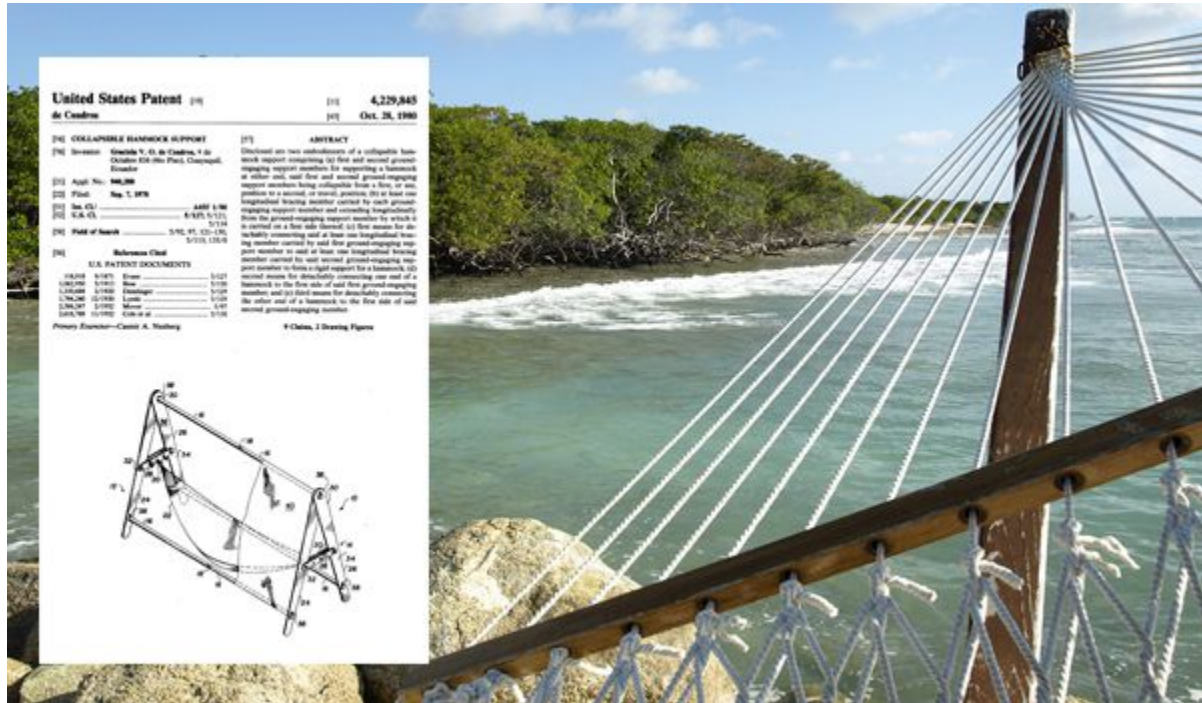
Olga D. González-Sanabria



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

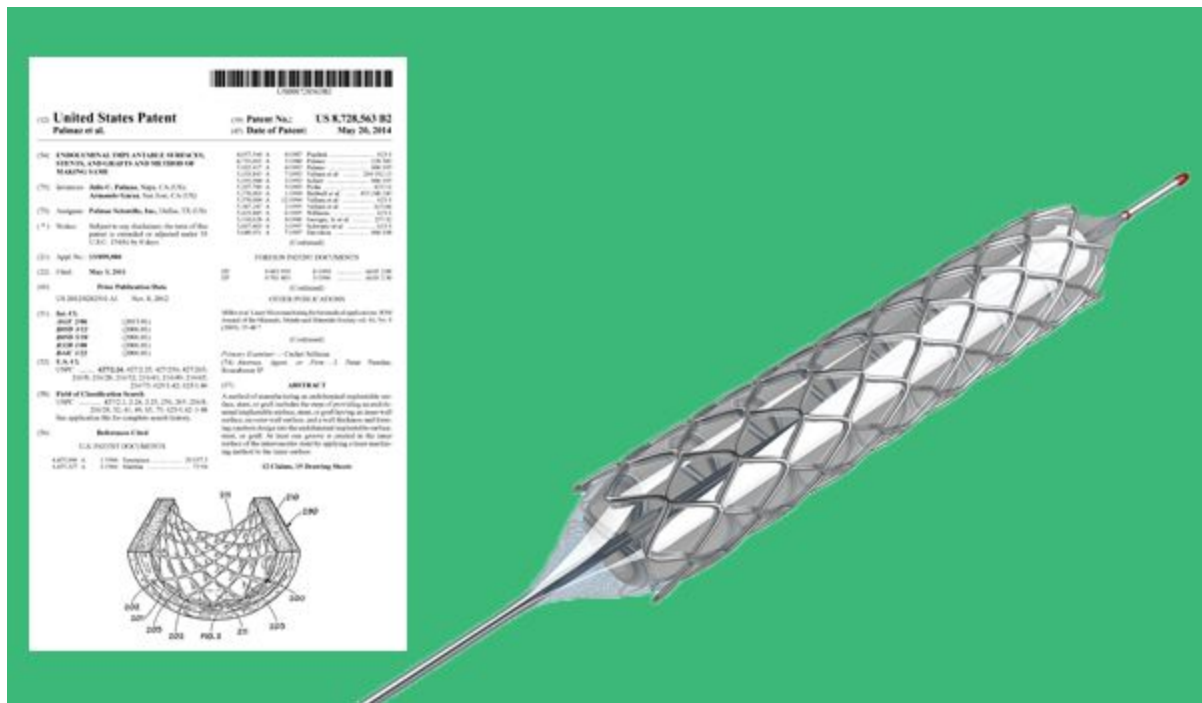
Carboxylic Acid." González-Sanabria became the highest ranking Hispanic at NASA's Glenn Research Center in 2002.

Graciela V.O. de Cuadros



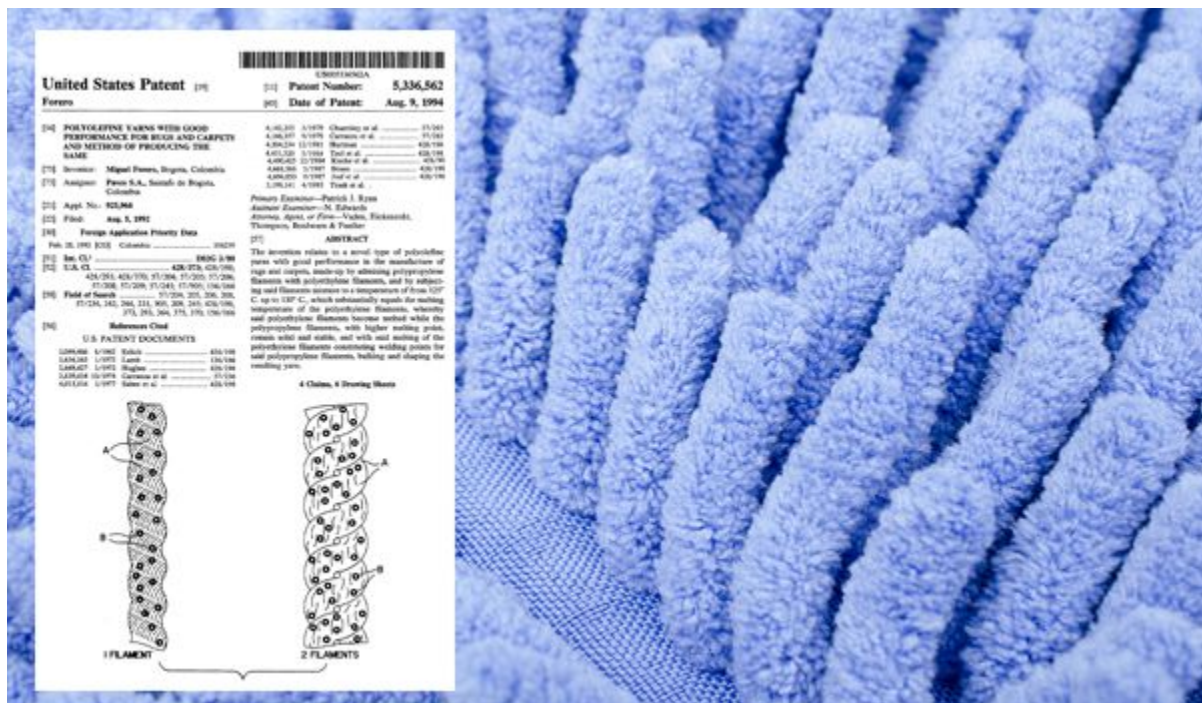
Born in Ecuador, Graciela V.O. de Cuadros was granted U.S. Patents [4,229,845](#) and [5,046,203](#) for a "Collapsible Hammock Support."

Guanglou Cheng, Carlos A. Ramirez, and María Aponte



Born in 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.

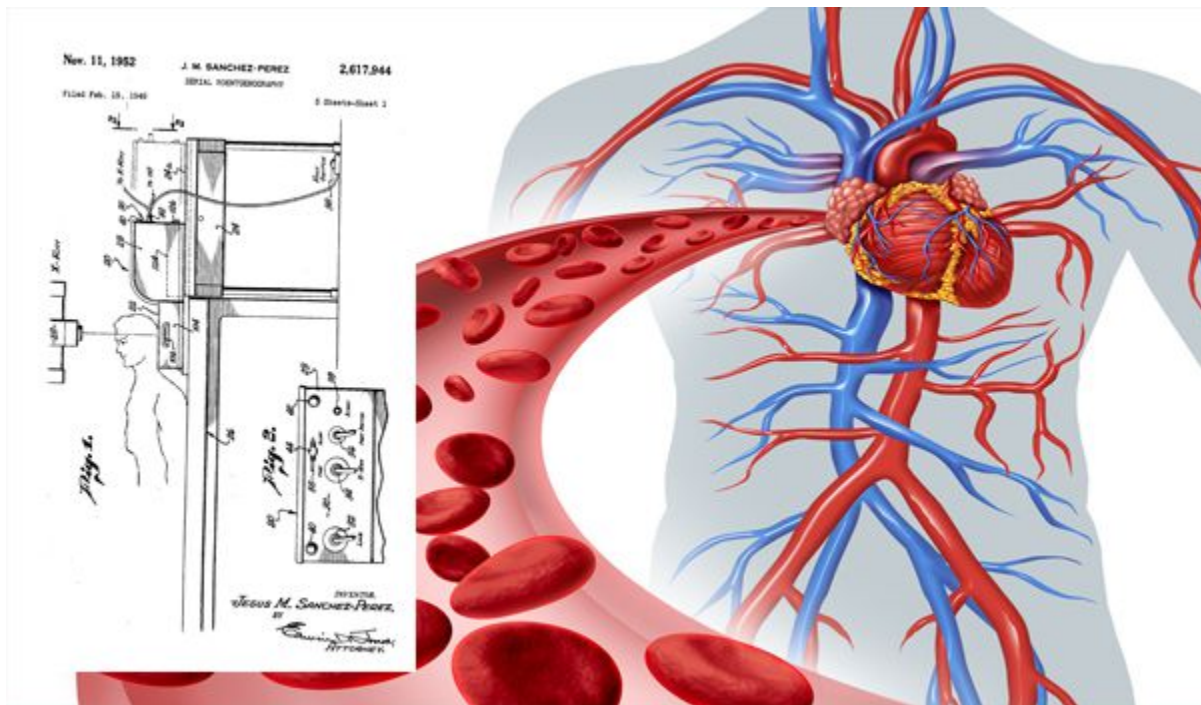
Miguel Forero



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.

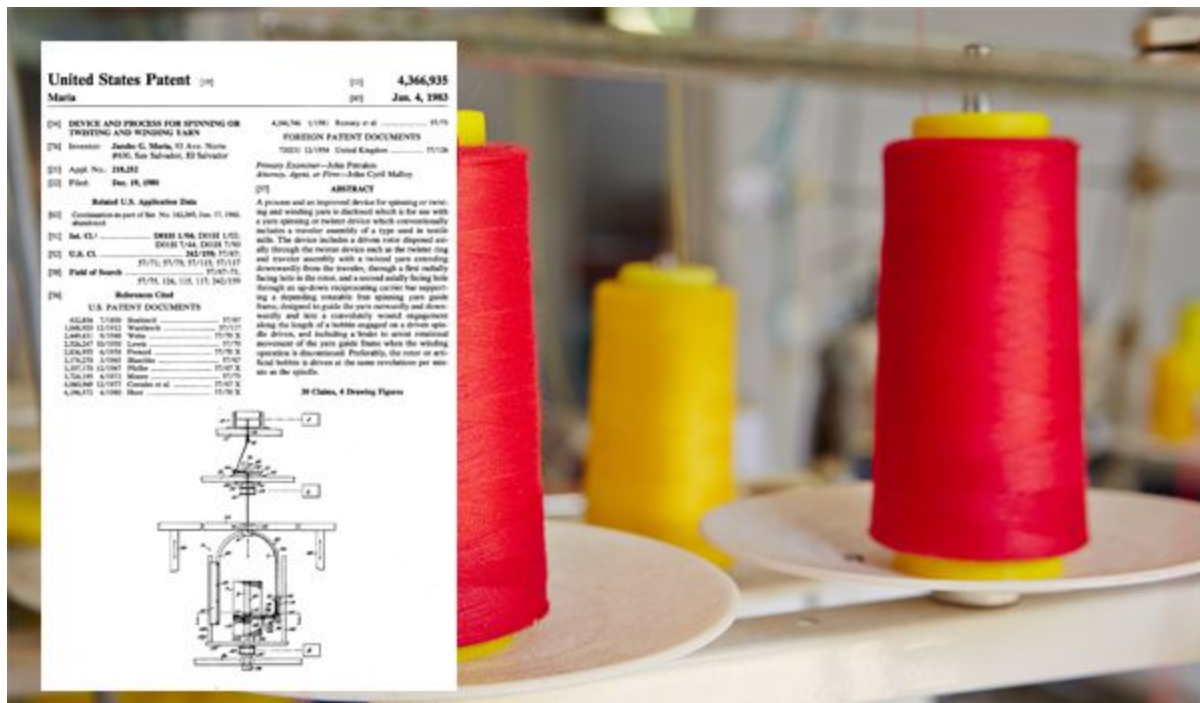
Patent [5,556,684](#) "Manufacturing Process for Synthetic Fiber Carpets Fixed by Fusion at Regular Intervals with Crests or Tufts, without Using Glues or Using Small Amounts of Glues, where Threads Do not Loosen and thus Obtaining the Carpets."

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



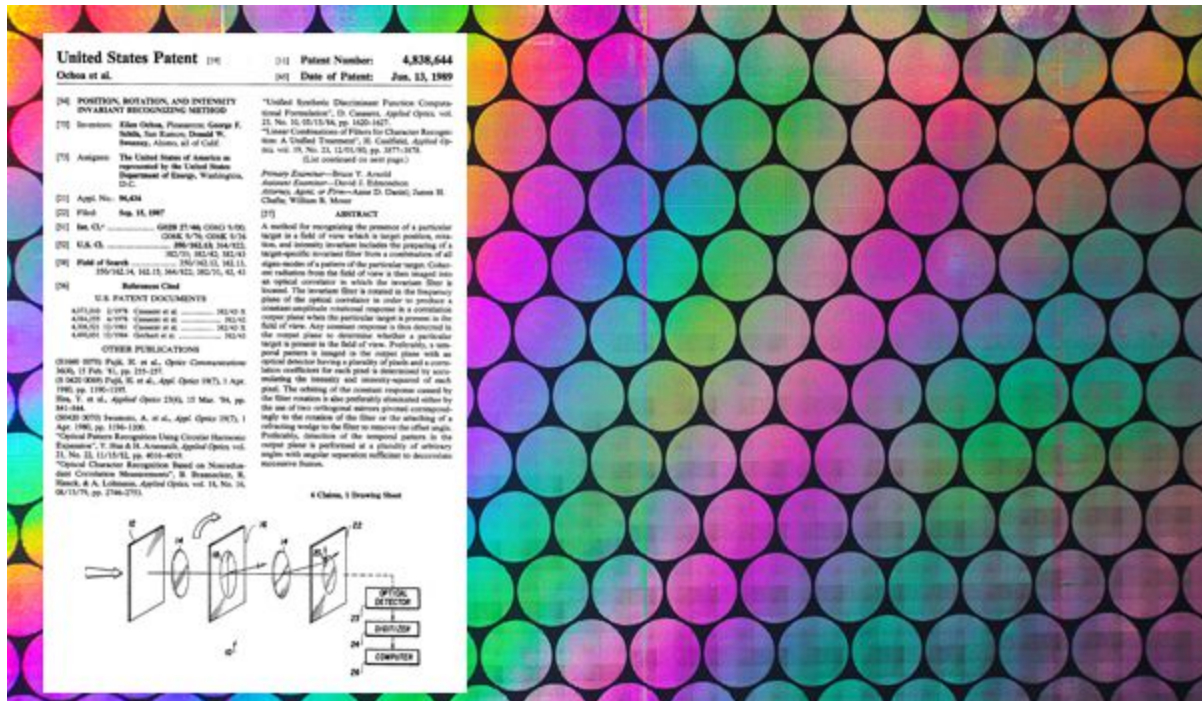
Born in El Salvador, Jacobo G. Maria was granted U.S. Patent [4,366,935](#) for a "Device and Process for Spinning or Twisting and Winding Yarn."

Elena Nuñez



Born in Honduras, Elena Nuñez was granted U.S. Patent [4,935,254](#) for a "Banana Flavoring Process" and three other related patents.

Ellen Ochoa



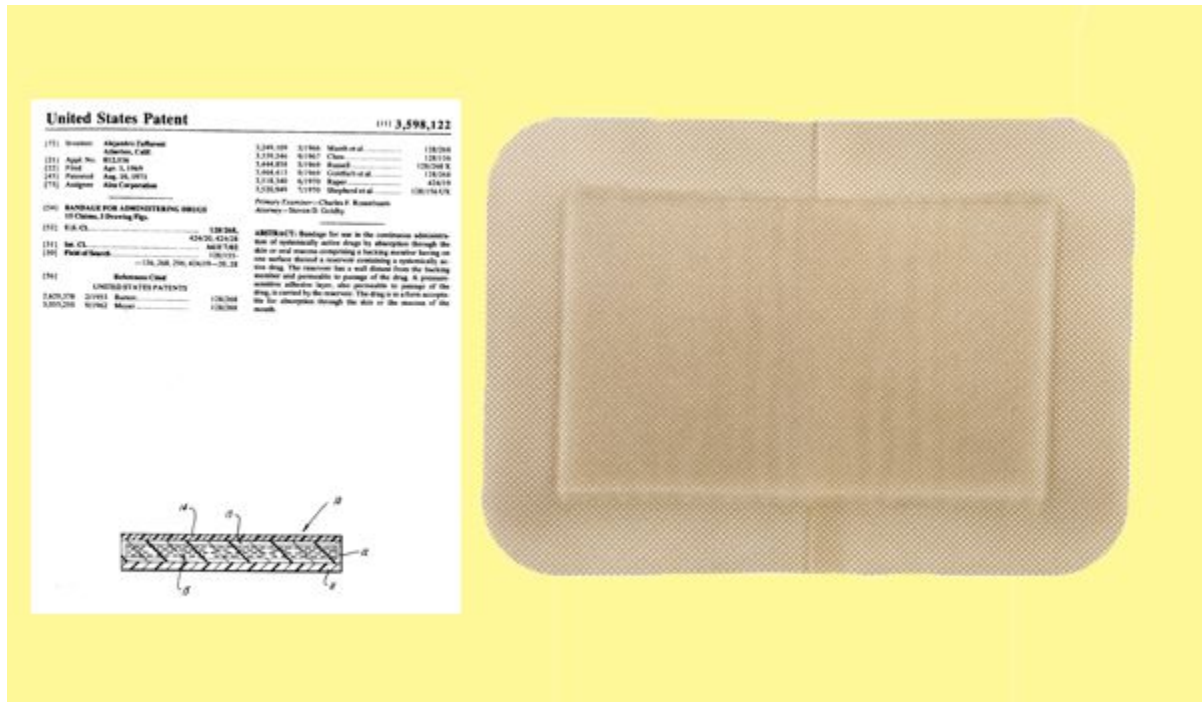
Born in California, Ellen Ochoa was granted U.S. Patent [4,838,644](#) for "Position, Rotation, and Intensity Invariant Recognizing Method " and two other optical-related patents. Ochoa was the first Hispanic woman to go to space when she served on a nine-day mission aboard the shuttle Discovery in 1993.

William Vásquez Ulate



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.

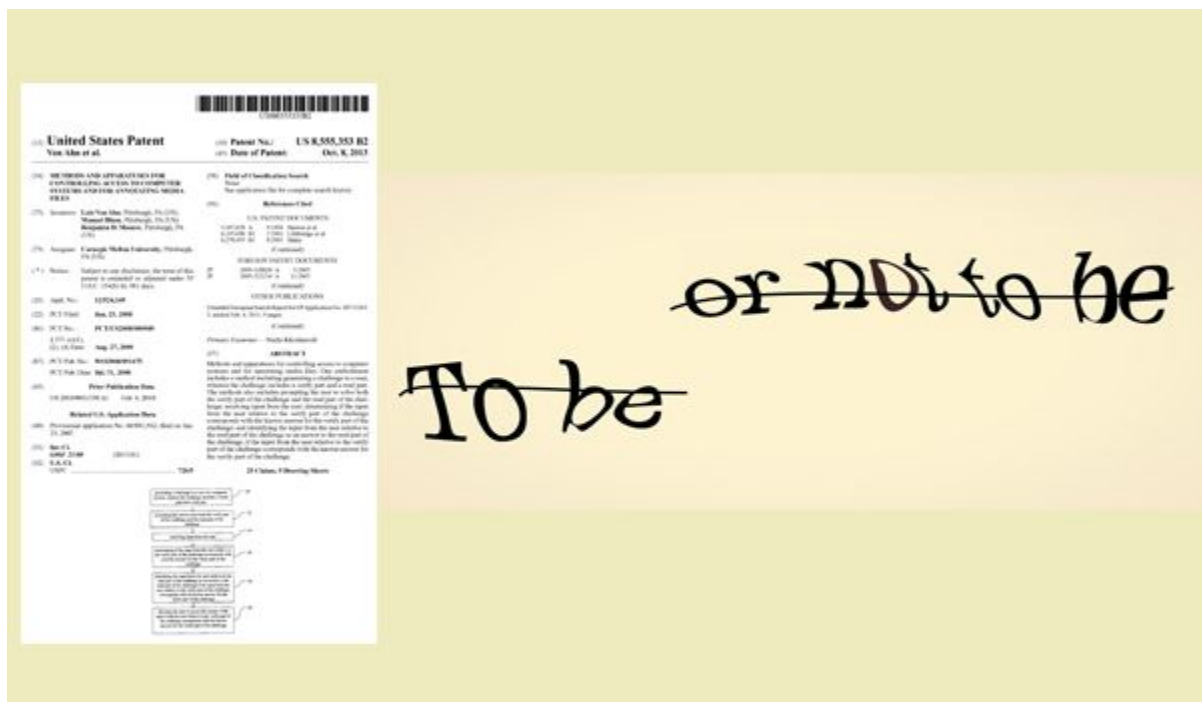
Lydia Villa-Komaroff

Alberto P. Herrera and Sebastian A. Vieto



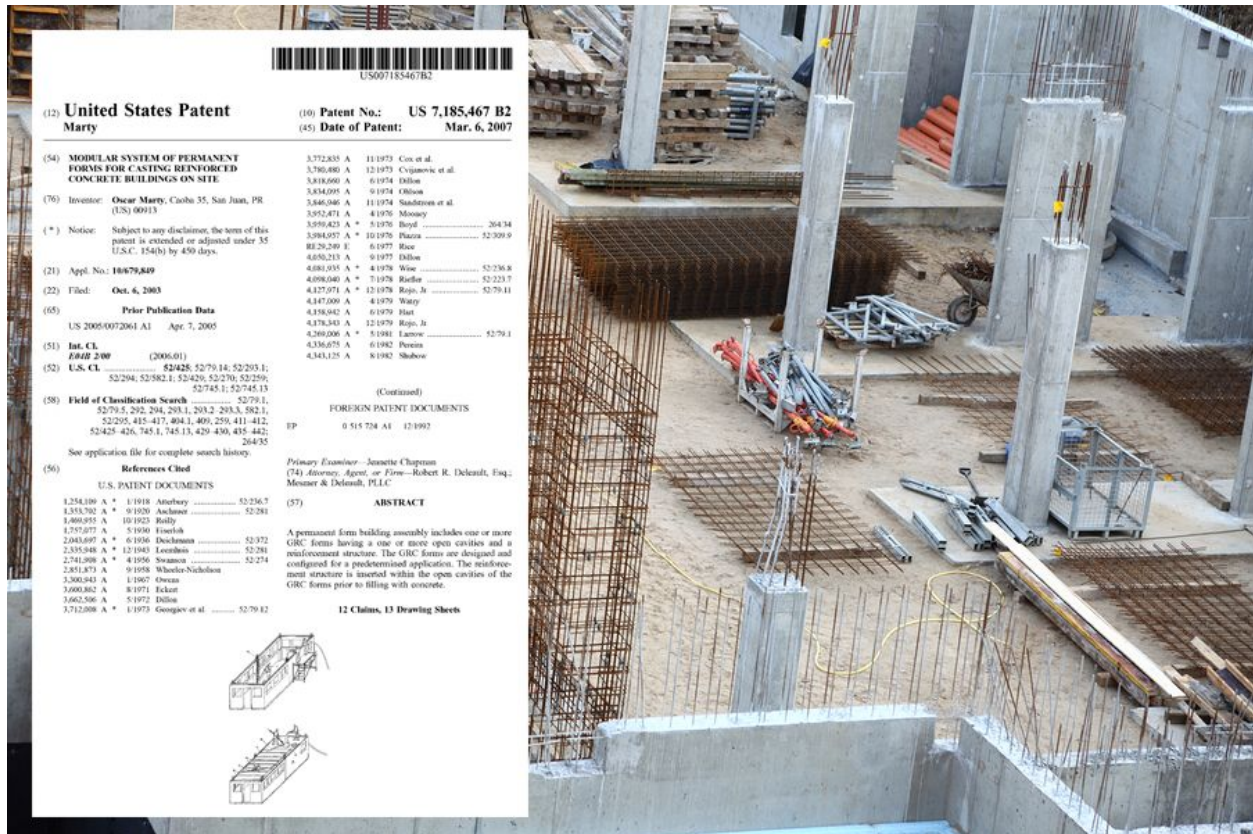
Born in Panamá, Alberto P. Herrera and Sebastian A. Vieto were granted U.S. Patent [4,195,080](#) for "Insecticidal Use of Orange Juice Essence Oil."

Luis Von Ahn



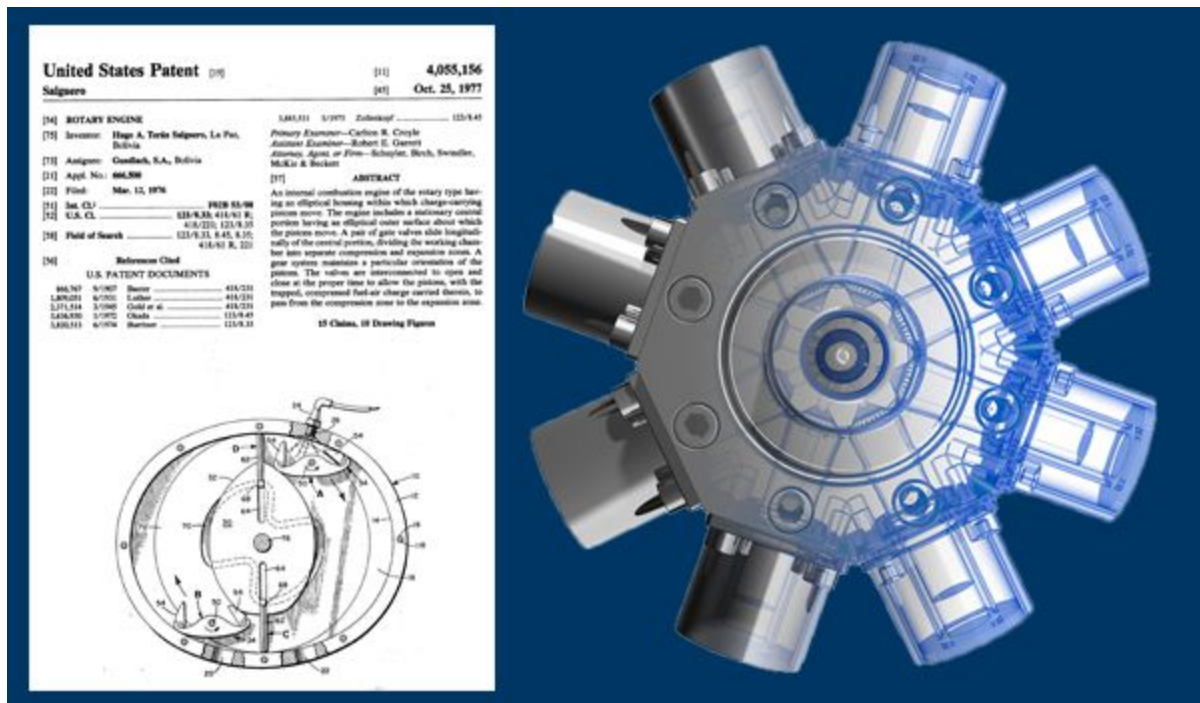
Born in Guatemala City, Dr. Luis Von Ahn was granted U.S. Patent [8,555,353](#) for "Methods and Apparatuses for Controlling Access to Computer Systems and for Annotating Media Files" - or Captcha for distinguishing human from machine input to prevent spam and automated extraction of data from web sites.

Oscar Marty



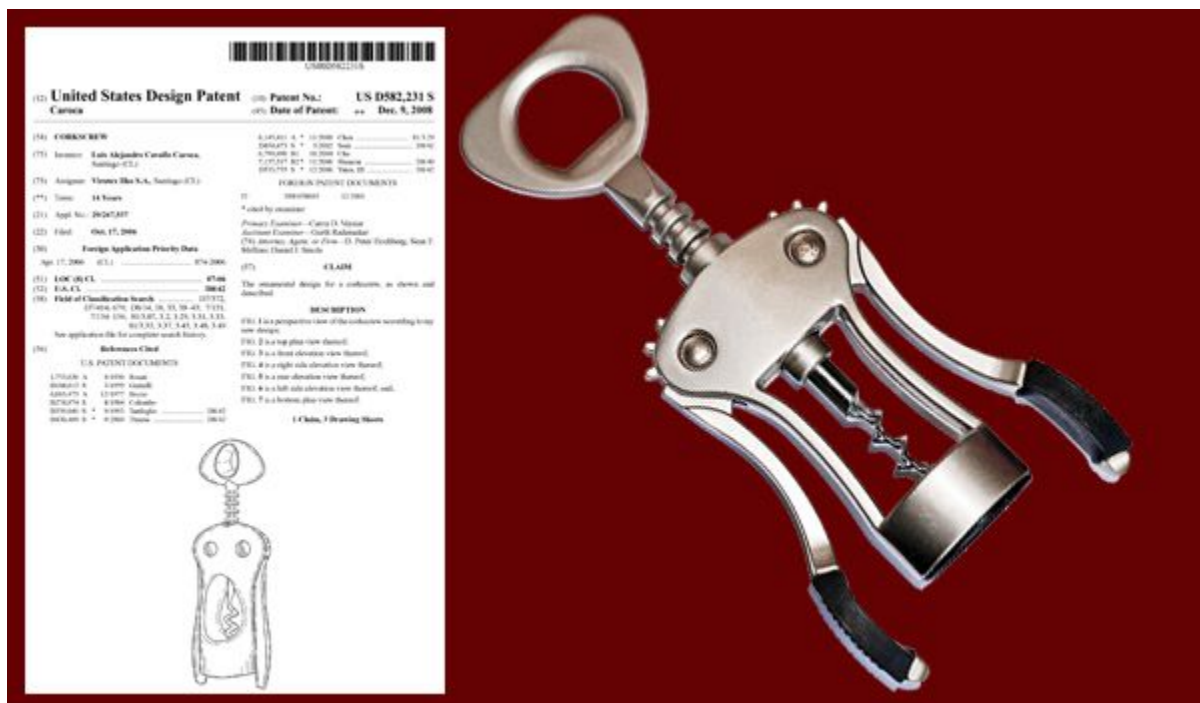
Born in Puerto Rico, Oscar Marty was granted U.S. Patent [7,185,467](#) for a "Modular system of forms for casting reinforced concrete buildings on site."

Hugo Terán Salguero



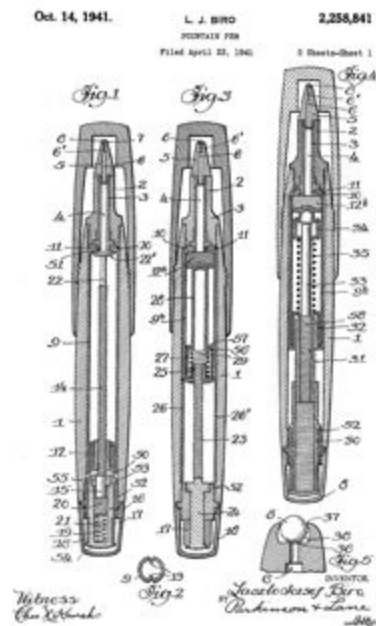
Born in Bolivia, Hugo Terán Salguero was granted U.S. Patent [4,055,156](#) for a "Rotary Engine."

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."

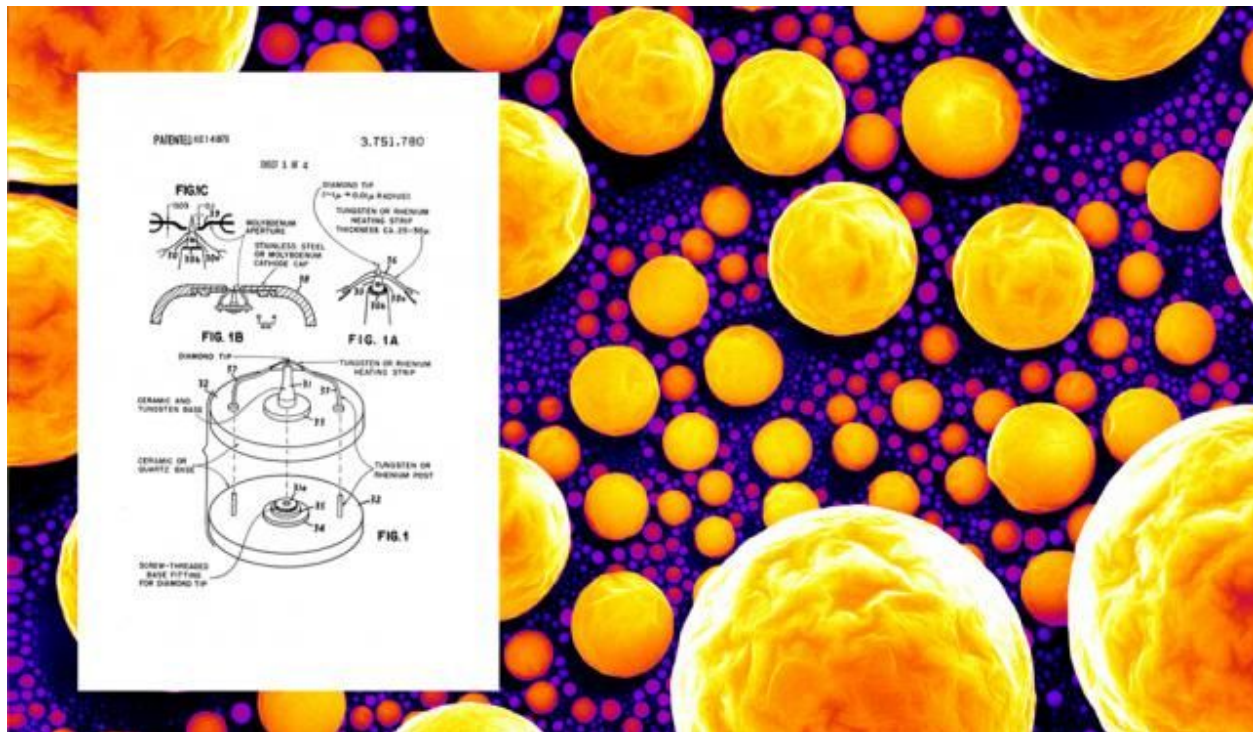
Jozsef Biró Laszlo



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





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.