

**MAIN RESULTS**

Innovation continues as a great economical driving force, and according to the latest information presented by the World Intellectual Property Organization (WIPO) in relation with the generation of new patents, certainly, inventions do not stop although the complicated economical scenario around the world.

In the last report available by WIPO 2014, there were 2.680.9000 patents presented, showing an increase of 4,9%, when compared to 2013. These registers had China, EE.UU and Japan as nations with the greatest level of innovation. Not surprisingly then, in the top 5 enterprises we find Panasonic, Samsung, Canon, Toyota and Toshiba, while in the top 100 there is no Latin-American enterprise.

In Latin America, countries such as Brazil and Mexico lead this ranking, while Colombia is placed in the fifth position in order of importance in 2014, participating with 3,5% of the applications.

The previous year 63 apps were approved in the country, and 13 were considered developed in Santander, number that positions the department in the second place.

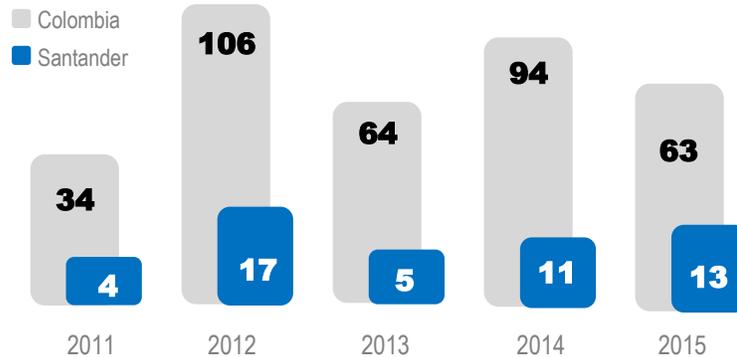
The patents conceded were developed mainly in the fields of mechanical and chemical engineering. It cannot be denied the influence that Ecopetrol has had over the Colombia Petroleum Institute in this indicator, entity that has maintained its scientific leadership in the current decade.

Also, institutions such as Fundación Cardiovascular, Universidad de Santander, Promitec, Industrias Acuña and a natural person as patents developers in 2015.

**Sources:** The Colombian Superintendencia de Industria y Comercio (SIC) – WIPO

**Note:** The approved patents by the Superintendencia de Industria y Comercio to Ecopetrol were classified taking Santander as origin according to the information provided by Colombian Petroleum Institute (CPI).

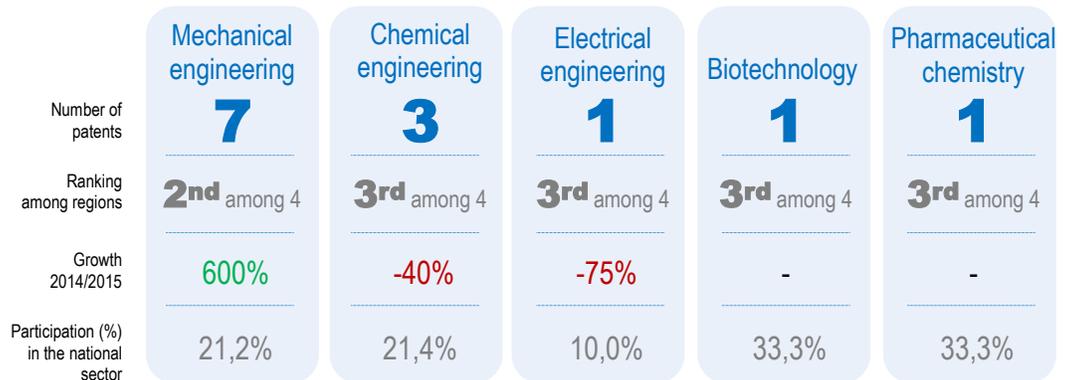
**Patents conceded in Colombia**



**Patents conceded by departments in Colombia**



**Patents conceded in Santander**



-Vessel to nebulize medications  
-Portable system for respiratory therapy

-Escalation mechanism of improved oil recovery.

-System for sealing leaks in fluids transportation.

-Mechanical head pumping system

-Device for flows containment in piping system.

-Nozzle for input stream of a sedimentation equipment.

-Palm oil extraction system.

-Process to stabilize biodiesel.

-Diesel conversion process.

-Mechanism for reading, storage and remote transmission of vital signs.

-Food for newborn birds.

-Antibacterial gel that contains hypochlorous acid.