

PHILADELPHIA, Oct. 7, 2013 /PRNewswire/ -- Over the past two years, Thomson Reuters has shown how patent activity is a proxy for innovation through its Top 100 Global Innovators program. Today, the [IP & Science business of Thomson Reuters](#), the world's leading provider of intelligent information for businesses and professionals, announced its [2013 Top 100 Global Innovators](#) list. This honors the 100 corporations and institutions around the world that are at the heart of innovation as measured by a series of proprietary patent-related metrics. The full report is available at <http://www.top100innovators.com>.

The 100 organizations in the 2013 study outperformed the S&P 500 for the third consecutive year, by 4 percent in annual stock price growth and 2 percent in market cap weighted revenue growth. Collectively they generated \$4.5 trillion in revenue, nearly twice the GDP of the United Kingdom. The Top Innovators also added 266,152 new jobs over the last year, a rate that was 0.81 percent higher than the new job creation rate among constituents of the S&P 500. This year's winners also outspent the S&P 500 by 8.8 percent on R&D; collectively they invested \$223 billion in their research and development efforts.

"Now in its third year, the Thomson Reuters Top 100 Global Innovators study provides further evidence that innovative organizations— those that secure global patent protection for their

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Written by Australian Business

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intellectual property, continue to push the envelope with new technologies and invest more in R&D – are those that outperform the S&P 500 on virtually every measure of business success. Since inception, the Top 100 have consistently seen increases in annual revenue greater than those of the S&P index," said David Brown, managing director, Thomson Reuters IP Solutions. "These are the companies that are driving growth, creating jobs and pioneering new products and services; we are honored to recognize their efforts through this annual program."

The *Thomson Reuters 2013 Top 100 Global Innovators*, in alphabetical order, are:

3M Company

L'Oréal

ABB

LSI Corporation

Abbott Laboratories

LSIS

Advanced Micro Devices

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Marvell

Air Products

Michelin

Alcatel-Lucent

Micron

Altera

Microsoft

Analog Devices

Mitsubishi Electric

Apple

Mitsubishi Heavy Industries

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Arkema

NEC

Asahi Glass

NGK Spark Plug Co., Ltd.

AT&T

Nike

Avaya

Nippon Steel & Sumitomo Metal

BlackBerry

Nissan Motor Company

Boeing

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Nitto Denko

Brother Industries

NTT

Canon

Olympus

Chevron

Omron

CNRS, The French National Center for Scientific Research

Oracle

Commissariat à l'Energie Atomique

Panasonic

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Corning

Philips

Covidien

Procter & Gamble

Delphi

Qualcomm

Dow Chemical Company

Roche

DuPont

Safran

Eaton Corporation

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Saint-Gobain

Emerson

Samsung Electronics

Ericsson

SanDisk

European Aeronautic Defence and Space Company

Sandvik

Exxon Mobil

Seagate

Ford

Seiko Epson

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Fraunhofer

Semiconductor Energy Laboratory

Freescale Semiconductor

Sharp

FUJIFILM

Shin-Etsu Chemical

Fujitsu

Siemens

General Electric

Sony

Goodyear Tire & Rubber

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STMicroelectronics

Google

Sumitomo Electric

Hewlett-Packard

Symantec

Hitachi

TDK

Honda Motor Company

TE Connectivity

Honeywell International

Texas Instruments

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IBM

Thales

IFP Energies Nouvelles

Toshiba

Infineon Technologies

Toyota Motor Corporation

Intel

TSMC

Jatco

United Technologies

Johnson & Johnson

Valeo

LG Electronics

Xerox

Lockheed Martin

Xilinx

## **Smartphone Patent Wars Drive New Innovation**

The intense competition in the smartphone space is on clear display in this year's Top 100 Global Innovators list, with the major players in the smartphone patent wars present: Apple, Microsoft, Samsung, Google and BlackBerry. This is the first year for BlackBerry on the Top 100 Innovators list, driven by a 38 percent surge in patent filings between 2010 and 2011, and 17 percent growth in patent filings between 2011 and 2012. The rapid expansion of the company's patent portfolio is certain to be a factor in BlackBerry's recently-announced plans to pursue strategic alternatives, including a possible sale.

## **Increased R&D Spending Results in Increased Innovation**

The surge in R&D spending among Top 100 Global Innovators is also noteworthy. With the 100 organizations in the study spending U.S. \$223.2 billion on R&D in 2012, the group outspent the S&P 500 by over 8.8 percent on R&D last year. Additionally, the Top 100 spend 5 percent of revenue on R&D, whereas the S&P 500 spend just 2.1 percent of revenue in this area. "The fruits of rigorous R&D are clear-cut in the results of our study: those companies that spend more

on R&D, yield more patents, and more innovative solutions," said Brown.

## Pharma Breaks into Top 100

The Top 100 methodology, by virtue of its criteria, favors fast-moving, hyper-competitive industries such as semiconductors/electronic components and computer hardware, where product lifecycles are short and advancements in technology are demanded by users. This has historically impacted the inclusion of pharmaceutical firms, which tend to have longer R&D cycles, in the list. Despite this, Abbott Laboratories and Johnson & Johnson broke into the Top 100 list this year, by virtue of their strong global patent portfolios. Roche also made this year's list for the third year in a row.

## Regional Hot Spots of Innovation

North America continued to lead in the number of organizations it has on the list, with 46 this year, comprising 45 from the U.S. and one from Canada. Asia had the next highest, with 32, comprising 28 from

Japan  
, 3 from  
South Korea  
and 1 from  
Taiwan

Europe  
contributed 22 honorees, with the largest representation coming from

France  
(12) and  
Switzerland

(4). Mainland China is once again notably absent from this year's list of Top 100 Global Innovators. Despite the fact that  
China

leads the world in patent volume, the majority of patents filed in the country are only filed domestically, which limits the region's global influence in the Top 100 Global Innovators study.

## Industry Breakout

The semiconductor and electronic components industry continued to lead in 2013, with 23 representative companies, a 28 percent increase over the previous year. Semiconductor representation has increased by 64 percent since the program's inception, when there were just 14 semiconductor companies on the list. Computer hardware was the next most prolific industry, with 11 companies. The auto industry contributed 8 companies to the Top 100 list, up from 7 last year; new to the list is Nissan. Automotive representation has grown by 167 percent since the beginning of the Top 100 analysis when there were only 3 automotive companies present. The telecom and industrial industries each contributed 7 companies to the Top 100 group this year.

**Methodology** The *Thomson Reuters 2013 Top 100 Global Innovator* methodology is based on four principle criteria: overall patent volume, patent grant success rate, global reach of the portfolio and patent influence as evidenced by citations. The peer-reviewed methodology was executed using Thomson Reuters Derwent World Patents Index

® (DWPI), Derwent Patents Citations Index™, Quadrilateral Patent Index™, and Thomson Innovation

®, its IP and intelligence collaboration platform. Comparative financial analysis was done using the Thomson Reuters Advanced Analytics for Deal-Making platform.

For more information on the *Thomson Reuters Top 100 Global Innovator* program and to download the full report, go to <http://www.top100innovators.com>

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