Semiconductor Metallization and Interconnects: Technologies and Global Markets

Description: The global semiconductor metallization and interconnects market totaled $912.8 million and $1.0 billion in 2014 and 2015 respectively. The market should total nearly $1.8 billion by 2020, growing at a compound annual growth rate (CAGR) of 11.4% from 2015 to 2020.

This report provides:

- An overview of the global markets for semiconductor metallization, a process which produces a thin-film metal layer that will serve as the required conductor pattern for the interconnection of the various components on the chip.

- Analyses of global market trends, with data from 2014, 2015, and projections of compound annual growth rates (CAGRs) through 2020.

- Breakdowns of the market by technology, by process, by interconnect material, by component, by application and by geography.

- A relevant patent analysis.

- Coverage of the market's dynamics, specifically growth drivers, restraints, and opportunities.

- Analyses of value chains, and market and product trends.

- A look at leading players in the field and their key developments, strategies, and profiles.

In this report, the semiconductor metallization market is segmented into categories as follows:

- By technology: metal deposition, photolithography, silylation, metal etch, alloying and annealing, passivation, and backlapping and backside metallization.

- By process: Filament evaporation, electron-beam evaporation, flash evaporation, induction evaporation, sputtering and others.

- By interconnect materials: Poly Si, silicides, refractory materials, TiN, TiW, aluminum and copper.

- By components: Gas distribution plates, chamber liners, domes, plating insulators, cover rings and others.

- By application: Consumer electronics, automotive, defense and aerospace, medical, industrial and others.

- By region: North America (United States, Canada and Mexico); Europe (United Kingdom, Germany, France, Italy and rest of Europe); Asia-Pacific (India, China, Japan, South Korea and rest of Asia-Pacific) and Rest of World (RoW)(the Middle East, Africa and Latin America, which includes Central and South America).

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