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Researchers develop new semiconductor ink

January 23, 2009

Researchers at Polyera Corp, Illinois, have developed a new type of semiconductor ink which could lead to bendable computer screens or sensor tags for retail stock, reports Reuters.

According to the news provider, the material is a soluble semiconductor ink capable of carrying a negative electrical charge.

Chief executive of the firm, Philippe Inagaki, told the news provider that this is one of the first semiconductor inks that can carry a negative charge, as only those which carry positive charges have previously been developed.

He added: "When you have both you can make chips and circuits that are faster and more reliable and more energy-efficient."

The new ink can be printed onto flexible materials such as thin plastic or even paper.

Meanwhile, a new study has suggested that demand for semiconductors could reach the triple-digit percentage range in the next five years, reports the EE Times.

The research from Semico predicted that the growth of such products will reach a rate of 100 per cent by the end of 2012.

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