

# ***The Potential of the Semiconductor Economy***

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## **Abstract**

Today, "procedures" are more important than ever, but this is not a mysterious phenomenon. In politics as well, in order for those in power to gain power, there must be "procedures" that reflect the will of the people. Procedure is synonymous with law, while non-procedure is the opposite of law, which in some cases means disorderly freedom. This can be applied not only to the political world but also to the economic world.

## **General comments**

In my most recent economic short paper, I mentioned that  $\text{Money} = \text{Exchanging} \times \text{Something}$  is equivalent to Ohm's Law,  $V = R \times I$ . Here, high resistance in the economy means high Exchanging (=Money/Something), which means (1) less goods than needed and higher prices of goods. And low resistance means This means that (1) the number of goods will be larger than necessary, and (2) the price of goods will fall. The above can be easily understood from Ohm's law.

But do you know that there is an assumption to this? That is, the circuits of the economy must be sufficiently "insulated" from the "outside world. Even in the field of electricity, complete isolation is difficult to achieve. In other words, even in the economic field, there are leaks. Products, or money, leak. How much varies from case to case, but if we develop insulation resistance meters and testers in the economic field, it will be possible to analyze to some extent.

This "leakage current" is generally referred to by the public as "bad money" because it has not been "processed" by the law. Bad money is more readily available where resistance is low. Good goods, on the other hand, are those that pass through well-developed legal procedures by human hands. There are some methods of exchanging bad money into good money, which are criticized by the public as money laundering.

However, there is one area of the economy where bad money and good money are mixed. This is trade. Various countries trade with each other using their own "legal procedures" called "tariffs.

In the field of electricity, this is the case with semiconductors. Semiconductors have the properties of both conductors and insulators. In other words, it is an attempt to control the ratio of good to bad by means of procedures. In other words, by controlling legal procedures such as tariffs, the bad and the good are "converted" to each other, which requires very advanced technology. (It is also ironic that it has become a hotbed for money laundering.)

However, there is no doubt that diplomacy in politics and trade in the economy will always be the most popular. However, there is no doubt that diplomacy in politics and trade in economics will always be the flower of the times. This is a fascinating but very dangerous double-edged sword.

## **At the end**

At the end of the day, I dare to say that the ideal economy would be a "four-way good"(四方よし) economy. In other words,

(1) sellers(売り手), (2) buyers(買い手), (3) the public(世間), and (4) public morals(風紀).

Thank you very much for reading.