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ASTRAX LUNAR CITY ECONOMIC SYSTEM BY USING BLOCKCHAIN TECHNOLOGY

Abstract

When I buy a coffee on the Moon, we would like to be able to get it by exchanging it for something else (such as fruits) that I have instead of money. In other words, it is a world where bartering is established from the beginning. In other words, the Moon will be like the primitive age that we had on Earth. Therefore, in order to match things with the value of goods, a common value standard that turns into money will be needed. On the Earth, it was money, but on the Moon, there can be a points system that does not belong to any country. Furthermore, its value can vary greatly depending on the person and the situation. It suffices if the value can be determined by a contract established instantaneously between individuals. By doing so, the exchange of goods (the exchange of value and value) will be established more speedily.

For another example, suppose that 1000 people are staying on the Moon for three months. What do they bring to the Moon at that time? In addition to what is necessary for work, people usually bring necessities such as clothes and food, but what about nail clippers? It would be a terrible waste if all 1000 people packed a nail clipper with them. Because it takes only a few minutes to use nail clippers within 3 months. They can just bring a few nail clippers and share them together. The first person who takes the nail clipper can get something else by sharing it (the idea of currency has been abandoned).

Furthermore, if they leave the nail clipper to the Moon, someone else coming to the Moon later can simply reserve it through a smartphone app. The person who brought it in the beginning will gain value until it breaks. This can also apply to clothes and food, including everything that was brought to the Moon, or something that was created there, and it is considered efficient to create a world where various things can be shared and reused. Combining with the bartering system mentioned above, an ultimate ecosystem can be created if most of what is consumed by people living on the Moon can be recycled.

In this paper, new ecology and economy concept and system on the Moon by using blockchain technology, completely different from on the Earth, will be introduced.