DIGITAL TO BIOLOGICAL CONVERTER

Abstract

The present invention provides a system for receiving biological sequence information and activating the synthesis of a biological entity. The system has a receiving unit for receiving a signal encoding biological sequence information transmitted from a transmitting unit. The transmitting unit can be present at a remote location from the receiving unit. The system also has an assembly unit connected to the receiving unit, and the assembly unit assembles the biological entity according to the biological sequence information. Thus, according to the present invention biological sequence information can be digitally transmitted to a remote location and the information converted into a biological entity, for example a protein useful as a vaccine, immediately upon being received by the receiving unit and without further human intervention after preparing the system for receipt of the information. The invention is useful, for example, for rapidly responding to viral and other biological threats that are specific to a particular locale.

Figure 1