ABSTRACT

SYNTHESIS APPARATUS, SYNTHESIZER AND SYNTHESIS METHOD

Provided is a synthesis apparatus for synthesizing biomacromolecules. The synthesis apparatus is used for synthesizing biomacromolecules, and includes a feeding apparatus, a recognition apparatus, a reaction apparatus, a sorting device, and a transfer device. The feeding apparatus includes a transporting assembly that can simultaneously transporting biochips. The recognition apparatus recognizes an identification of each biochip on the transporting assembly and feed back an identification information to a control device. The reaction apparatus includes various reaction vessels for performing synthesis reactions on the biochips. The sorting device includes various first sorting assemblies located on a side of the transporting assembly and correspond to the reaction vessels. The first sorting assemblies sort the chips on the transporting assembly to the reaction vessels corresponding to the current synthesis reactions when controlled by the control device. The transfer device transfers the biochips in the reaction vessels to the feeding device. Further provided are a synthesizer and a synthesis method.

Figure 4