# SPLIT TYPE PRECISELY-ANCHORABLE TRANSCATHETER AORTIC VALVE SYSTEM


## Abstract

A split type precisely-anchorable transcatheter aortic valve system comprises a split transcatheter aortic valve anchoring stent (10) and a transcatheter artificial biological aortic valve (20), wherein the shape and structure of the transcatheter aortic valve anchoring stent (10) are matched with the real structure of the aortic valve after the patient's image data is subjected to three-dimensional reconstruction, the transcatheter aortic valve anchoring stent (10) is delivered to the aortic valve position of the patient to be released, deformed and combined with the aortic valve leaflet tissue and the subvalvular tissue of the patient; the transcatheter artificial biological aortic valve (20) is delivered into the transcatheter aortic valve anchoring stent (10) to be released, the transcatheter artificial biological aortic valve's stent is deformed to expand the transcatheter artificial biological aortic valve to the functional state, the transcatheter aortic valve anchoring stent (10) is deformed again and combined with the expanded transcatheter artificial biological aortic valve (20), and meanwhile, the transcatheter aortic valve anchoring stent (10) is deformed and anchored again. A system designed based on three-dimensional reconstruction can realize accurate anchoring of transcatheter artificial biological aortic valve personalization.


FIG. 4A