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SUBSTRATES ASSEMBLY APPARATUS AND METHOD FOR ASSEMBLING SUBSTRATES

ABSTRACT OF THE DISCLOSURE:



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To help the maintenance inside the vacuum chamber in which large substrates are bonded and to bond substrates with high accuracy,

5 substrates assembly apparatus for bonding two substrates under reduced pressure is provided wherein the chamber consists of a top chamber and a bottom chamber, a top table in the top chamber for detachably holding one substrate and a bottom table in the bottom chamber for detachably holding the other substrate are provided such that the substrates held are

10 opposite each other, the top table includes a driving mechanism outside the top chamber for increasing and lowering the top table and top chamber independently, the bottom table is integrated with the bottom chamber, and a driving means for moving the bottom chamber at least horizontally relative to the top chamber is provided outside the bottom

15 chamber.

Fig. 1