

TRANSFER APPARATUS

ABSTRACT

Provided is a transfer apparatus (1) capable of suppressing a side slip of a workpiece (W)
5 lifted by a non-contact chuck (2). The transfer apparatus (1) includes, in addition to the
non-contact chuck (2) that lifts and holds the workpiece (W) in a non-contact manner, a plurality
of ultrasonic vibrators (3) that radiate ultrasonic waves. The plurality of ultrasonic vibrators (3)
are configured to radiate the ultrasonic waves to generate a standing wave that attracts the
workpiece (W), and are configured for the non-contact chuck (2) to hold the workpiece (W) at a
10 position where forces attracting in a plurality of directions (X, Y) toward outside of the
workpiece (W) are balanced when viewed from a direction (Z) facing the workpiece (W).

Figure 2