

ABSTRACT
CUTTING APPARATUS

A cutting apparatus includes: a first piping for communication of a suction surface with a first suction source; a branched pipe by which the first piping is branched to an upper-side outlet for passage toward the first suction source and a lower-side outlet for passage toward a second suction source; and a second piping for communication of the lower-side outlet with the second suction source. The cross-sectional area of the branched pipe is set greater than the cross-sectional area of the first piping, such that the flow velocity of a fluid upon transfer of the fluid from the first piping into the branched pipe is lowered. In addition, the branched shape of the branched pipe ensures that a liquid goes down toward the lower-side outlet of the branched pipe, whereby a gas and the liquid are separated from each other, and the gas is sucked by the first suction source, whereas the liquid is sucked by the second suction source. (Figure 2)