



162162



G00002

26 MAR 2002

MECHANISM OPENING AND CLOSING A DIE OF A RESIN SEAL APPARATUS

ABSTRACT OF THE DISCLOSURE

A die opening and closing mechanism includes a bottom die block (1) fixed to a lower plate (2), a top die block (3) fixed to an upper plate (4), a bottom plate (6) integrally linked to the upper plate (4), a tie bar (7) provided to slide the lower plate (2), the upper plate (4) and the bottom plate (6), a mechanism (10) driving the lower plate (2), a link mechanism (11) connecting the bottom plate (6) and the lower plate (2) together and reversing in direction a driving force imparted for the lower plate (2), and transferring it to the bottom plate (6), and a pinch roller (19) fixed to a base (9) via attachment (20, 21). The pinch roller (19) fixed independent from the die allows the wired base material (17) to keep a position, in height, invariable whether the die is opened or closed. The wired base material (17) can thus have a loop (22) minimized. The die opening and closing mechanism can thus minimize the loop of the wired base material (17) to provide a wire free of distortion and accommodate the wired base material (17) large in thickness, and also provide a miniaturized apparatus.

Figures 1A and 1B