

ABSTRACT

RECORDING PAPER SORTING AND DISCHARGING DEVICE

A recording paper sorting and discharging device designed to improve the construction of copiers, printers, or the like, in sorting, separating and discharging paper in which the ends of one side of a pair of paper discharging roller shafts are shifted in a direction essentially parallel to a recording paper discharging direction while the other ends of the shafts remain stationary. The paper discharging roller shafts each have at least one roller, the rollers being separated from each other for a given period of time and, in response to detect signals, the rollers disposed on the shafts then contact each other. The recording paper can thereby be discharged obliquely onto a paper discharging tray. Alternatively, a pair of paper discharging roller shafts, each shaft having both a drive roller fixed on one side thereof in an axial direction and a driven paper discharging roller rotatably mounted on the other side thereof such that the respective drive and driven rollers on each shaft press against each other. By cutting off one of the paper discharging roller shafts from the drive system of the device, the recording paper is discharged smoothly and at an angle without generating wrinkles in the paper so the paper is thereafter presorted.

FIGURE 1