CLAIMS

1. A paper sheet accommodating unit comprising:

a paper sheet setting portion that stops a transported paper sheet at a setting position;

two rotating bodies that have recesses respectively holding both edges of one paper sheet located at the setting position when being in initial rotating postures, and they are rotatable in opposite directions to each other in synchronization with each other;

a pressing member that is arranged between the two rotating bodies, is located on a back side of the paper sheet located at the setting position in an initial position, and is movable and, when protruding forward beyond the setting position, comes into contact with an intermediate portion of a back of the paper sheet and pushes the paper sheet forward;

a drive mechanism that drives the rotating bodies and the pressing member to cause the rotating bodies and the pressing member to work together; and

a paper sheet loading platform that is located in a paper sheet accommodating space ahead of the two rotating bodies, is elastically biased toward outer circumferential surfaces of the rotating bodies to be pressed against and be in contact therewith, and can be ejected or retracted in a direction away from the rotating bodies, wherein

in conjunction with an operation in which the pressing member protrudes and presses a center of the banknote forward, the rotating bodies start rotating in such directions that the edges of the paper sheet accommodated in the respective recesses are deformed to a back direction and leave from the recesses, in synchronization with each other,

the pressing member stops a protruding operation in an appropriate stage after pressing of the paper sheet by the pressing member progresses and a front surface of the paper sheet comes into contact with the paper sheet loading platform,

the rotating bodies continue the rotating also after the pressing member stops a protruding operation, to cause both the edges of the paper sheet to leave the recesses and transfer an entire paper sheet onto the paper sheet loading platform,

the rotating bodies continue rotating in the same directions also after both the edges of the paper sheet leave the recesses, to return to the initial rotating postures,

the pressing member returns to the initial position before or after the rotating bodies return to the initial rotating postures,

the drive mechanism rotates each of the rotating bodies by an angle from 195 degrees to 270 degrees in a time period after the pressing member starts to bring the paper sheet into contact with the paper sheet loading platform from the initial position until the pressing member leaves the paper sheet, and

the outer circumferential surfaces of the respective rotating bodies are kept in a non-contact state with respect to the paper sheet during a time period during which the pressing member presses the paper sheet against the paper sheet loading platform.

2. The paper sheet accommodating unit according to claim 1, wherein the drive mechanism rotates each of the rotating bodies by an angle exceeding 45 degrees by a time until the

pressing member starts to bring the paper sheet into contact with the paper sheet loading platform from the initial state, and further rotates each of the rotating bodies by 315 degrees at a maximum in a time period until the pressing member leaves the paper sheet.

3. The paper sheet accommodating unit according to any one of claims 1 or 2, wherein each of the recesses extends in a diameter direction of one of the rotating bodies to include a rotation center axis of the corresponding rotating body.

4. The paper sheet accommodating unit according to any one of claims 1 to 3, wherein the drive mechanism includes driven gears respectively arranged at one axial end portions of the rotating bodies, a rotation-shaft member arranged to cross a rotation axis of the rotating bodies, two rotating-body driving gears that are arranged to be fixed on the rotation-shaft member and drive the rotating bodies via the driven gears, respectively, a pressing member driving gear fixed onto the rotation-shaft member between the rotating-body driving gears, and a pantograph mechanism driven by the pressing-member driving gear to eject or retract the pressing member.

5. A paper sheet processing device comprising the paper sheet accommodating unit according to any one of claims 1 to 4.