

ABSTRACT

A rotor core includes plural holes in which permanent magnets are installed, wherein: in a cross-section of the rotor core perpendicular to a rotational axis, at least one of the plural holes includes a first end portion positioned on a leading side in a rotational direction in a left and right direction, which is a direction on both left and right sides relative to a direction of magnetization of the permanent magnet, and a second end portion positioned on a trailing side in the rotational direction in the left and right direction; the first end portion is open to an outer peripheral surface of the rotor core, and a circumferential direction length of the opening is longer than a circumferential direction length of the second end portion; in the cross-section, the hole in which the first end portion is open has an inner space whose width direction length is equal to a length corresponding to the length of the permanent magnet in the direction of magnetization and a first outer space that communicates with the inner space, has the first end portion as one end portion of the hole in the left and right direction, and is wider than the inner space; and the first end portion is disposed off-center on the trailing side in the rotational direction relative to a circumferential direction center position of the inner space at the position where the inner space communicates with the first outer space.

FIG.3