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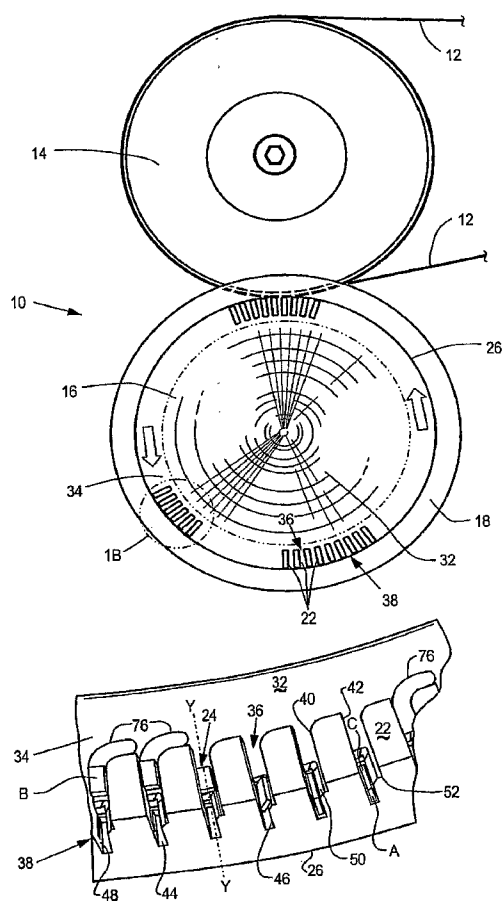
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[Continued on next page]

(54) Title: LONG AXIS COMPONENT LOADER



(57) Abstract: A component loader for orienting a component along its long-axis for transfer to transmission means such as a carrier belt. The loader includes a rotatable load plate having an outer peripheral edge and an upper surface where the upper surface is inclined from a horizontal plane. A plurality of slots is on the upper surface, and each is located about the outer edge of the load plate. Each of the plurality of slots is sized to receive at least one chip, preferably lying with its long axis perpendicular to the rotational axis of the rotatable load plate. An outer wall conforms to the curvature of the outer peripheral edge and is mounted adjacent thereabout. A transfer slot extends axially into the upper surface of the load plate and can be shaped so that a chip descending into each transfer slot from a respective slot has a ninety degree rotation about the long axis. The loader can include an inner wall mounted above the plurality of slots and interior of the outer wall, also along the rotational axis of the load plate.



PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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