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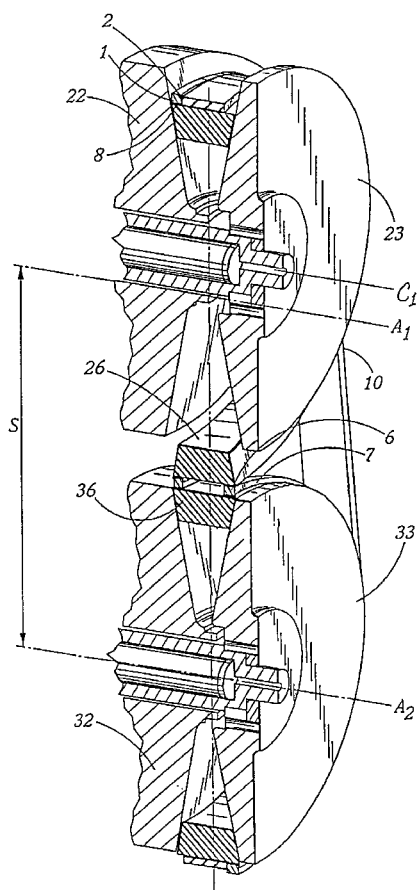
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(54) Title: DRIVE RING CVT BELT



(57) Abstract: The invention comprises a drive ring CVT belt. In a CVT transmission, each variable diameter pulley (11, 12) as a drive ring (26, 36) trained around the sheaves. Each drive ring may comprise any high modulus material such as plastic or metal. An endless flexible tensile member or belt (10) is trained between the drive rings. Each drive ring further comprises a sleeve (7, 8) that is trained around an outer surface of each drive ring. Each sleeve slides in a bushing on its respective drive ring. The belt has a tensile load that presses each of the drive rings (26, 36) together on the sleeves. The relative arrangement of the axis of rotation of each drive ring (26, 36) is maintained by the contact between the sleeves (7, 8) and the drive rings. The effective diameter or radius of each pulley (11, 12) is adjusted by movement of each drive ring (26, 36) in each pulley. Movement of the pulley sheaves (22, 23, 32, 33) causes the axis of rotation of each drive ring to move eccentrically with respect to the axis of rotation of the pulley. As the rings move, the belt moves with the drive rings and remains trained over the drive rings, giving a constant bending radius to the belt. The drive rings each may have a surface profile for use with flat belts, synchronous belts, toothed belts, multi-ribbed or v type belts.

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