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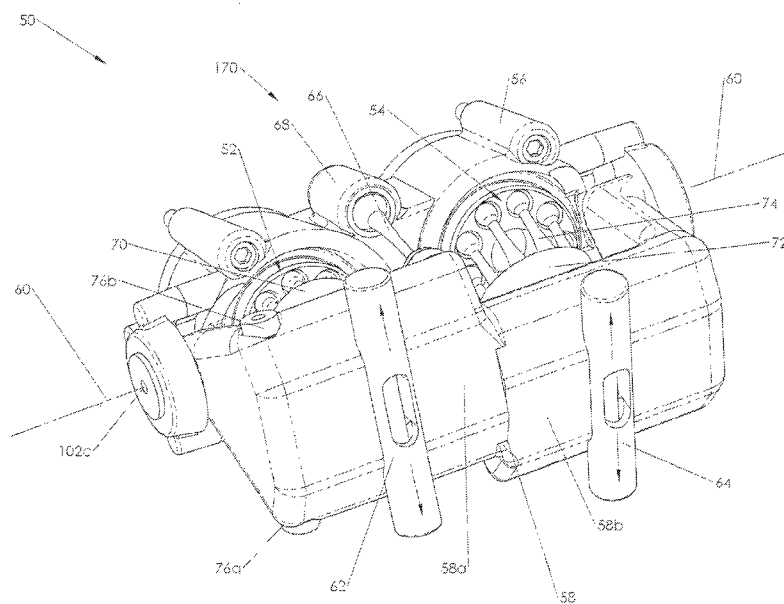
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(54) Title: HYDROSTATIC VARIATOR



(57) Abstract: A hydrostatic variator having a common yoke design and two or more bent axis piston drive units is disclosed in which the rotating group of a drive unit is arranged to be movable relative to the yoke to alter the angle between its drive shaft axis and rotating group axis independent of the other drive unit. This can be accomplished using movable sector plates coupled to the rotating groups that are arcuately movable within the yoke about the axis perpendicular to the respective drive shaft axes of the drive units. Such variators enjoy the response and packaging advantages of a common yoke design while still allowing dynamic adjustment of system size. In turn, varying system size allows for efficiency to be improved at conditions other than at the maximum design torque.





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