

[54] **HYPOCYCLIC DRIVE**

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[58] **Field of Search** 74/788, 797, 798, 801,
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[57] **ABSTRACT**

A traction drive and speed changing device with a pair of aligned shafts extending out of opposite ends of a housing and in alignment. Contained within the housing is an internal race or annular bearing surface. A pair of rollers, each of lesser diameter than the race are interconnected by a first crank which maintains the rollers in frictional engagement with the race. A second crank couples the first roller to the input shaft. A third crank couples the first roller to the output shaft. A speed reduction related to the difference in diameters of the roller and the race. An annular version suitable for providing speed changes for a rotating body and to allow cables or conduits to pass through the device.

30 Claims, 6 Drawing Figures

