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Gearless Power Transmission upto 180 Degree

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Abstract: Now Day's Gearless transmission mechanism transmits power from input to output shaft by means of sliding links that form revolute pair with the hub. Links bent at required angle slide inside the holes in the hub. Thus, as the holes in input hub rotate; it pushes the links and in turnout put hub is rotated. This mechanism can be used as replacement for bevel gears in low cost, low torque application. It can transmit at any angle 0 to 180 degree. In this paper the mechanism is studied and a possible go-kart transmission layout is fabricated and few future applications are suggested. In this project we make the power transmission in 180 degrees without losses. In daily routine we use the power transmission device or system, but some system has use gears and various components for power transmission. Because of gears we losses some power and losses of power and energy that's why we make power transmission in 180 degree. In this project we can transmit power in 180 degree without loss.

Keywords: Power Transmission, Shaft.

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