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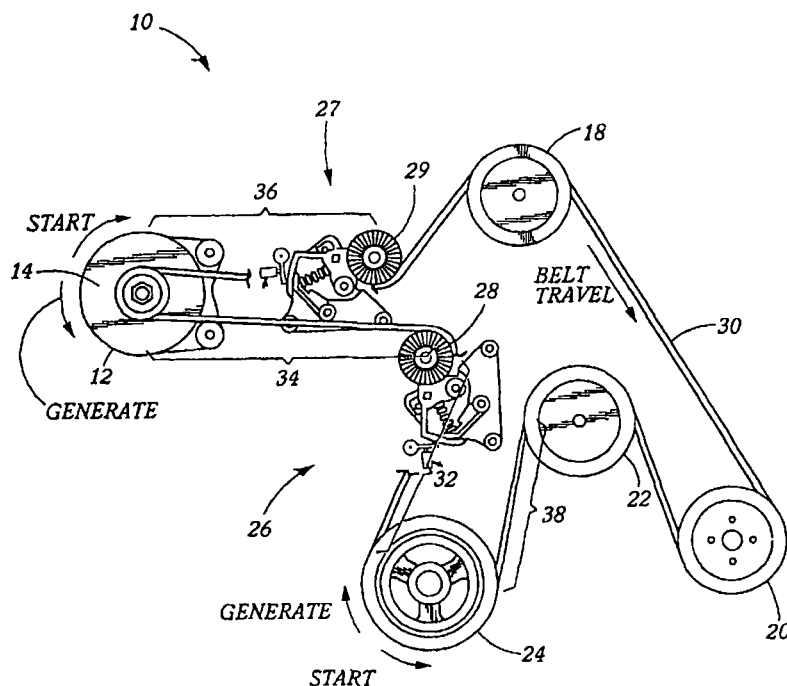
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(54) Title: **MOTOR/GENERATOR AND ACCESSORY BELT DRIVE SYSTEM**



(57) Abstract: The invention is an improved belt drive system and method for a power plant. The power plant is of the type having a crankshaft pulley (24), an accessory pulley (18, 20, 22), a motor/generator pulley (14), a first belt tensioner (26), a first belt tensioner pulley (28), and a power transmission belts (30) trained about the crankshaft pulley, the accessory pulley, the motor/generator pulley, and the first belt tensioner pulley. The power transmission belt has spans defined by termination proximate to each of the pulleys. These spans include intermediate spans beginning at the crankshaft pulley and ending at the motor/generator pulley, following the direction of belt travel in normal operation. The intermediate spans include a first intermediate span having a crankshaft termination proximate the crankshaft pulley and a last intermediate span having a first motor/generator termination proximate the motor/generator pulley. The system

is improved by the power transmission belt also having a start-slack-side span beginning at the motor/generator pulley, following the direction of belt travel in normal operation. The start-slack-side span has a second motor/generator termination proximate the motor/generator pulley and a downstream termination opposite of the second motor/generator termination. The system has the first tensioner pulley proximate a termination of an intermediate span not being either the crankshaft termination or the first motor/generator termination. The system also has a second tensioner pulley (29) proximate the downstream termination.



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