**TITLE OF INVENTION: TRANSMISSIONS INCORPORATING EDDY CURRENT BRAKING**

## ABSTRACT

A transmission mechanism comprising at least one driving member; and at least one driven member, movement of the at least one driven member urged via transmission of movement from the at least one driving member; drag force inducing elements that move at different relative rates comprising at least one electrical conductor and at least one magnet, each element coupled with the transmission mechanism in a manner that allows the elements to interact on movement and generate eddy current drag forces, the elements thereby acting to govern the rate of movement between the driving and driven members. The conductor can be axially driven forward or backward to apply or withdraw the eddy current braking effect.

**FIGURE 1**