

Technology Notice



Subject: Patented shaft grounding ring technology used in electric motors

Product/s covered: Electric motors including EST's patented shaft grounding ring technology, such as the AEGIS™ Bearing Protection Ring

Electro Static Technology's (EST) Patented Shaft Grounding Ring Technology:

- EST, an Illinois Tool Works Inc. company, owns U.S. Patent Nos. 7,136,271 and 7,193,836 and other U.S. and foreign patents on shaft grounding rings and motors that include these shaft grounding rings.
- EST believes that EST's patented bearing protection rings, such as the AEGIS™ Bearing Protection Ring, are the only permissible shaft grounding rings of their kinds for use in electric motors. EST's patented shaft grounding ring technology comprises a highly reliable and maintenance free shaft grounding ring system with the characteristics needed in the market to protect bearings from damage in motors.
- EST has invested a tremendous amount of time and resources developing, testing and marketing this totally new, patented and innovative shaft grounding technology which includes conductive filaments that are placed near a motor shaft to discharge voltage from the motor shaft. EST's innovative technology provides protection from electrical fluting damage in electric motor bearings, for example when they are controlled by variable frequency drives.

Our patents prevent others from copying our technology and ITW has always vigorously enforced its intellectual property, in our effort to maintain only valid, quality products in the marketplace for our customers. It has recently come to our attention that competitors are making and selling motors and shaft grounding rings that we believe are covered by one or more of our patents. ITW is dedicated to ensuring that only permissible motors and shaft grounding rings are sold in the marketplace to our customers.



AEGIS SGR™ Prevents Electrical Bearing Damage