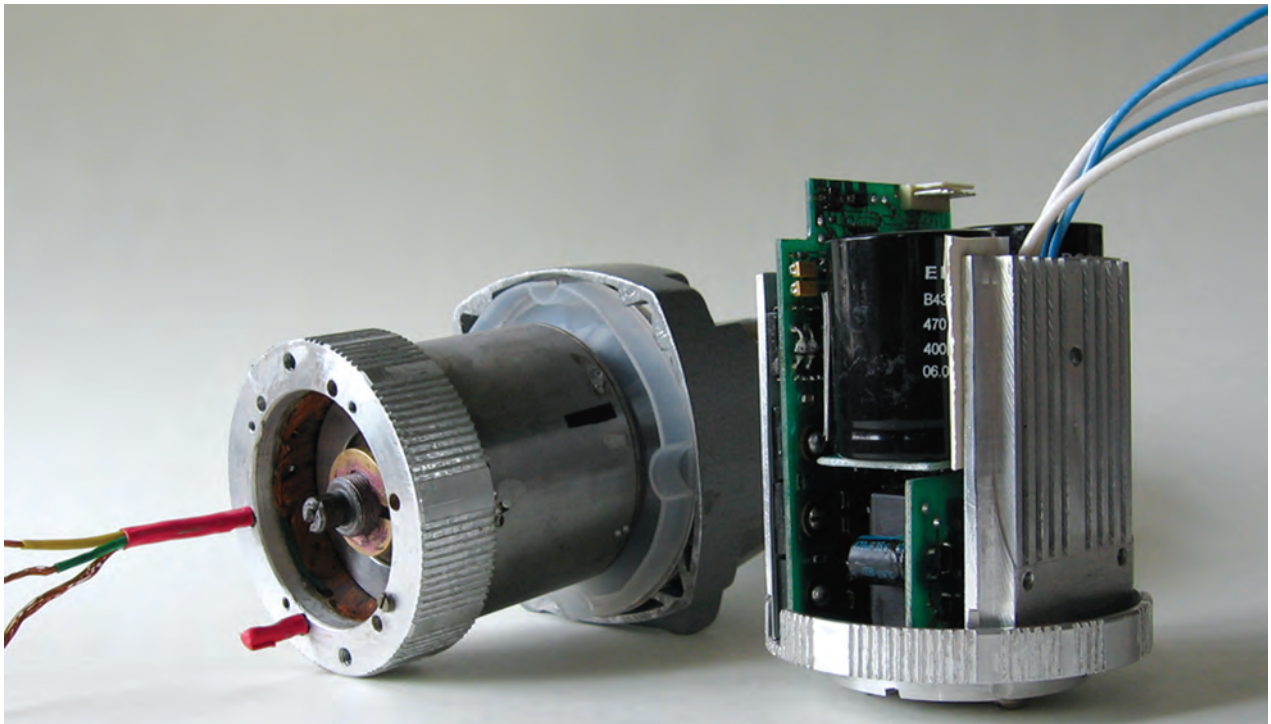


## BRUSHLESS ELECTRICAL MACHINES (BEM)



Brushless power tool drive

### Areas of Application

The machines are to be used in instrument engineering, aviation, automobile, and military industries, space engineering, household appliances, medical equipment, electro-driven tools, etc.

### Specification

Rotor speed range, rpm: 0–60000 and more.  
BEM useful power, W: 1–30000

### Advantages

In comparison with conventional synchronous and induction motors, the brushless electric machines are more reliable, have a higher efficiency, a simpler manufacturing technology, smaller dimensions and weight, and are notable for a low loss due to the absence of magnetic cores in the stator

### IPR Protection

IPR3

### Stage of Development.

### Suggestions for Commercialization

IRL7, TRL8

Customized design, manufacture, delivery, and warranty service, upon request

### Contact Information

*Volodymyr V. Bryl*, Institute of Electrodynamics of the NAS of Ukraine;  
+38 044 366 25 70, e-mail: brylvv@ied.org.ua