



## Title

# INDUCTION MACHINE WITH ROTOR IN MODULAR CONSTRUCTION



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## Short presentation

The conception of the induction machine with rotor in modular construction is based on building the short-circuit rotor of the most used electric machine at industrial level from modules in which aluminum bars are placed. Modules are fixed to the rotor yoke, common to all modules, by dovetail clamps. The shape of the modules is of such a nature as to allow their fixation on the yoke. The short circuit ring will be fixed to the bars using the two holes with which each bar is provided at the ends.

The proposed induction machine, with the rotor in modular construction, retains all the operating characteristics specific to this type of electric machine. The advantage of this rotor construction is the reduction of the time and maintenance cost of such a structure.



## Applicability

Industrial areas in which induction machines are used in classical construction, but especially those in which the loads are constantly of high values and the risk of failure of the rotor bars is higher.



## Images

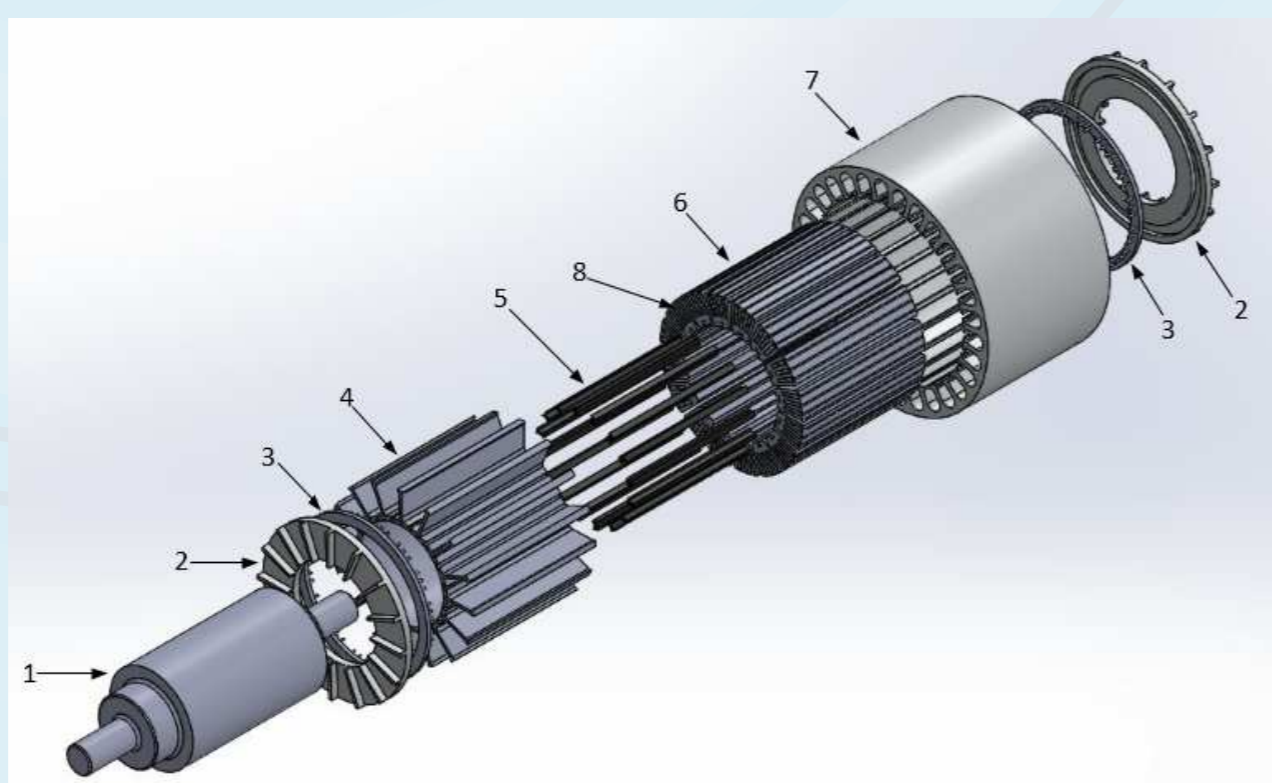


Fig.1

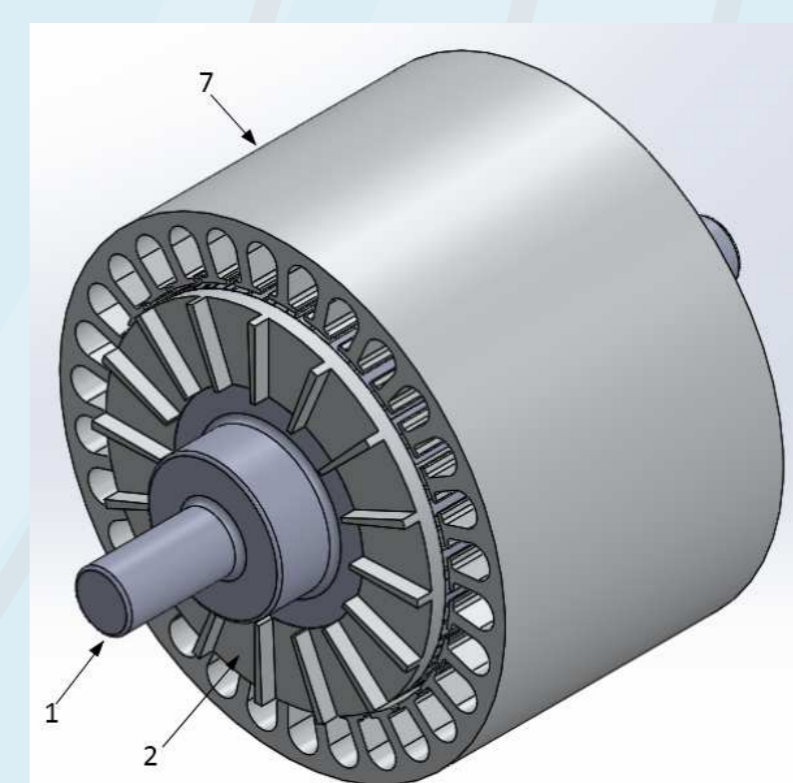


Fig. 2

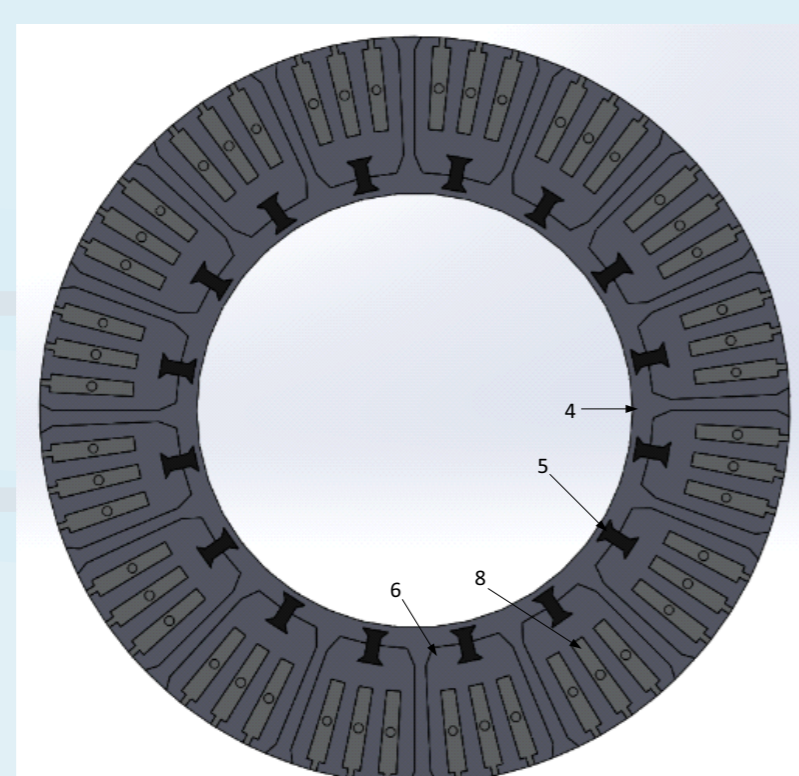


Fig.3

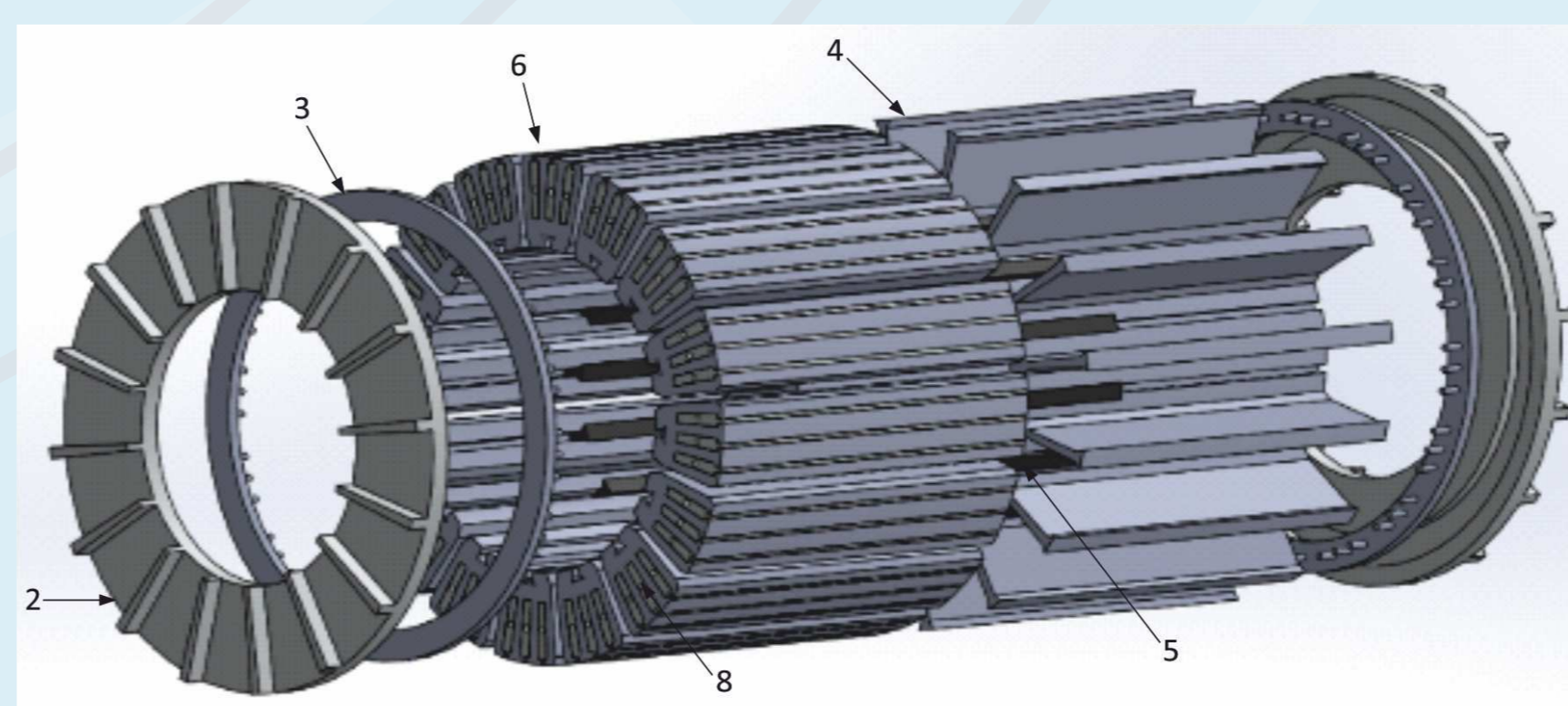


Fig. 4