DESIGN OF A HIGH-FREQUENCY CONVERTER FOR AN INDUCTION FURNACE

THIS THESIS IS SUBMITTED TO THE FACULTY OF RENSSELAER POLYTECHNIC INSTITUTE IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF ELECTRICAL ENGINEER

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INTRODUCTION

OBJECT:

The object of this thesis is to design an economical high-frequency converter to supply 75 kw. of electrical power to an induction furnace such as is used in the vacuum tube industry.