MONOPHASIC RECTIFIER WITH LINIAR DEPENDENCE BETWEEN THE RECTIFIED VOLTAGE AND COMMAND VOLTAGE

BY

*S. MUŞUROI, *V. OLĂRESCU, *C. ŞORÂNDARU and *M. SVOBODA

Abstract. In the present paper the authors propose a monophasic rectifying scheme with liniar dependence between the rectified voltage and command voltage, that is also realized practically. The command of the rectifier is simple and has several advantages: no sincronizing circuits are needed, both tranzistors are commanded from the same output, the rectified average voltage is directly proportional with the command voltage. Also the models are presented on which the simulation of the rectifier is based, as the measurements made on the experimental stand.