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THE HIGH FREQUENCY SUPPLY FOR REMOVE FLY ASCH IN THE SMOKE OF THERMAL PLANTS

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Abstract: *The work shows comparative synopsis of 50Hz and high frequency units for electrostatic separators supply, considering their advantages and disadvantages for each one. Comparison of these two mentioned systems shows techno-economic analysis, which points out clearly that high frequency supply systems are worthwhile. After this, actual realized high voltage supply was described referring to one section within the scope of electrostatic precipitator system (two branches and two sections in each one) for fly ash removal from smoke in TPP “Morava”. In the end, first preliminary results of testing are given for realized high frequency supply which is still pending in TPP “Morava”.*

Key words: *Electrostatic precipitator, DSP control, thyristor control, high frequency power supply, IGBT, precipitation efficiency*

**VISOKOFREKVENTNO NAPAJANJE SISTEMA ZA UKLANJANJE LETEĆEG
PEPELA IZ DIMA TERMOENERGETSKIH POSTROJENJA**

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