EXTREME ULTRAVIOLET LITHOGRAPHY

1. Title:	EUV Source Development Using High-Current Pulsed Power Generator
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3. Abstract body:

An EUV source was developed by using a high-current pulsed power generator. Its light emission was studied by using grazing incidence spectrometer and photo-diodes with band filters. Special attentions were paid to the breakdown voltage criteria and the electrical coupling efficiency. The diagnostic results have given clear evidence of EUV radiation of which both the spectrum and the radiation energy depend very much on the discharge polarity and the voltage waveform. Investigations were carried out on the optimization of pulsed power system for EUV generation.