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(54) Title: CERAMIC ELECTROSTATIC CHUCK AND METHOD OF FABRICATING SAME

(57) Abstract: A sintered ceramic electrostatic chucking device (ESC) which includes a patterned electrostatic clamping electrode embedded in a ceramic body wherein the clamping electrode includes at least one strip of a sintered electrically conductive material arranged in a fine pattern. Due to the fineness of the electrode pattern employed, stresses induced during manufacture of the ESC are reduced such that the clamping electrode remains substantially planar after the sintering operation. The resulting ESC allows for improved clamping uniformity.