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(54) Title: ANNEALED CARBON SOOT FIELD EMITTERS AND FIELD EMITTER CATHODES MADE THEREFROM (57) Abstract Annealed carbon soot is useful as an electron field emitter. Field emitting cathodes made up of annealed carbon soot attached to the surface of a substrate are also provided. The field emitters and field emitter cathodes are useful in vacuum electronic devices, flat panel computer and television displays, emission gate amplifiers, klystrons and lighting devices.		