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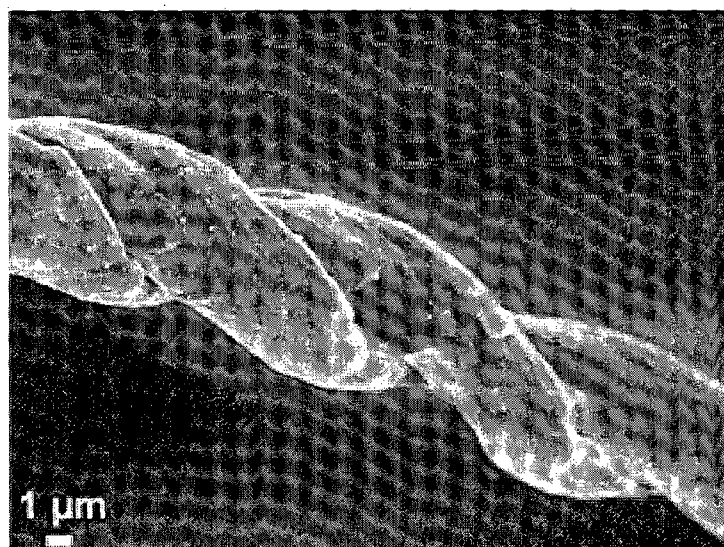


Figure 1

(57) Abstract: The present invention relates to methods for the manufacture of highly porous aerogels, particularly to twisted carbon fibers (TCF) and carbon microbelt (CMB) aerogels, by providing a carbon raw material and heating said carbon raw material under inert gas atmosphere and reduced pressure up to 900 °C. Also encompassed are the thus obtained aerogels and the use thereof, particularly for treating waste water.

