

HIGHLY POROUS AEROGELS

ABSTRACT

5 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.

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FIGURE 1B