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<p>(21) International Application Number: PCT/US99/10862</p> <p>(22) International Filing Date: 17 May 1999 (17.05.99)</p> <p>(30) Priority Data: 09/228,430 11 January 1999 (11.01.99) US</p> <p>(71) Applicant: 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).</p> <p>(72) Inventors: MARKELL, Craig, G.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). ANDREWS, David, J.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).</p> <p>(74) Agents: BOND, William, J. et al.; 3M Innovative Properties Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p>
<p>(54) Title: SORBENT FILTER FOR HARD DISK DRIVES</p> <div> </div> <p>(57) Abstract</p> <p>There is provided a method of forming a shaped sorbent filter preferably having a three dimensional shape. The method generally entails: a) providing porous flexible tubular web structure having two open ends; b) sealing a first end of the tubular web structure; c) filling the sealed tubular web structure with flowable filter material of sorbent material and binder; d) sealing the opposite open end of the tubular web material; and e) heating the tubular web structure to active the binder and form a shaped sorbent filter. The tubular web structure preferably is deformed while it is heated so that there is provided at least one permanently deformed bending portion. The invention method provides a simple effective process for forming complex overwrapped shaped small sorbent filters for use in the electronics industry.</p>		