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(21) International Application Number: PCT/US98/22921 (22) International Filing Date: 28 October 1998 (28.10.98) (30) Priority Data: 08/987,336 9 December 1997 (09.12.97) US (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (72) Inventor: YENNI, Donald, M., Jr.; 6801 River Place Boulevard, Austin, TX 78726-9000 (US). (74) Agents: FONSECA, Darla, P. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).		(81) Designated States: CA, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: METAL FIBERMAT/POLYMER COMPOSITE (57) Abstract A shaped article having EMI shielding properties, having been shaped by thermoforming of a planar sheet, and having a shape requiring the planar sheet to exhibit a stretch ratio of at least 300 %, and up to 500 %. The article consists essentially of a fibrous metal mat substantially surrounded by a fiber-coat and a polymeric carrier for support of the mat. The fiber mat may also be embedded into the carrier material. The fiber-coat may be sprayed onto the mat or, as a thermoplastic material, may be forced together with the metal fiber mat to surround it, and such procedure may take place before or after attachment to the carrier material.		