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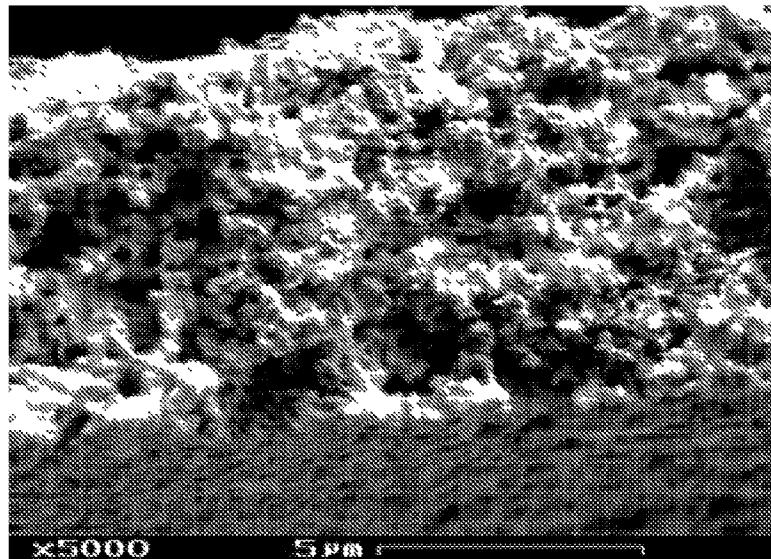
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Figure 1(C)



(57) Abstract: Disclosed are cohesive metallic structures, comprising sintered metallic nanoparticles, suitable for shielding against electromagnetic interference and radio frequency interference. Also disclosed are methods for forming such structures. Devices for shielding electromagnetic radiation and methods of shielding electromagnetic radiation using such devices are also provided.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B32B 5/16 (2008.04)

USPC - 428/402

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC - 428/402

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 428/402,403,847.6. \$;427/128, 130,131 , \$

Search Terms Below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (USPT, PGPB, EPAB, JPAB); google.com

Search Terms Used: nano, nanoparticles, head, tail, ligand, metal, film, substrate, electromagnetic, shielding, sintered, sintering, sinter, sheet, resistance, resistivity, zinc, oxide, gold

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0126338 A1 (Yadav) 16 June 2005 (16.06.2005) entire document, especially Abstract; paras [0015]; [0021]; [0030]; [0031]; [0052]; [0065]; [0073]; [0077]; [0084]; [0086]; [0099]; [0109]; [0132].	1-14, 50, 51
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Y	US 2007/0034833 A1 (Parce et al.) 15 February 2007 (15.02.2007) entire document, especially Abstract; paras [0036]; [0104]	15-49

D Further documents are listed in the continuation of Box C.

D

* Special categories of cited documents:	
"A" document defining the general slate of the art which is not considered to be of particular relevance	"P" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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