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- (71) Applicant: BASF SE [DE/DE]; 67056 Ludwigshafen (DE).
- (71) Applicant (for MN only): BASF (CHINA) COMPANY LIMITED [CN/CN]; 300 Jiangxinsha Road, Shanghai, 200137 (CN).
- (72) Inventors: XU, Yanfei; Weibo Yan, North Entrance 80202, Beijing, PRC, 100080 (CN). SCHWAB, Matthias, Georg; Im Lohr 22, 68199 Mannheim (DE). HENNIG, Ingolf; Bahnhofstr. 2b, 68809 Neulußheim (DE).
- (74) Common Representative: BASF SE; 67056 Ludwigshafen (DE).
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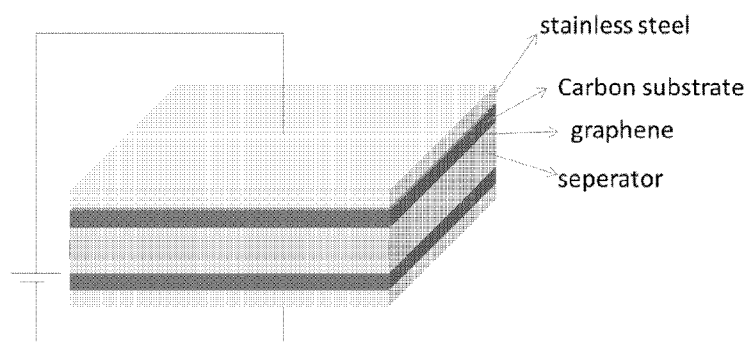
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(54) Title: GRAPHENE BASED SCREEN-PRINTABLE INK AND ITS USE IN SUPERCAPACITORS

Fig. 1a



(57) Abstract: A graphene based screen-printable ink, an electrode comprising such inks and a supercapacitor comprising such electrode are disclosed. The screen-printable ink comprises (a) nano grapheme platelets, (b) a polymer comprising aniline monomeric units, and (c) at least one solvent.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2013/059738

A. CLASSIFICATION OF SUBJECT MATTER

H01G 11/30(2013.01)i

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)

H01G; B05D; C09G

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

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

CNKI, CNPAT, WPI, EPODOC: NGP, nano graphene platelet, PANI, polyaniline, ink, solvent, liquid, screen print, capacitor, electrode.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009092747A1 ((ZHAMU, ARUNA ET AL.)) 09 April 2009 (2009-04-09) the abstract, description, paragraphs [0045]-[0051], [0067]-[0068], [0078]-[0081], figures 3 and 5	1-16
A	US 2010000441A1 ((JANG, BOR Z. ET AL.)) 07 January 2010 (2010-01-07) the whole document	1-16
A	CN 102324317A ((CHINA FIRST AUTOMOBILE CO., LTD.)) 18 January 2012 (2012-01-18) the whole document	1-16

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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“T” 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

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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STATE INTELLECTUAL PROPERTY OFFICE OF THE
P.R.CHINA(ISA/CN)
6,Xitucheng Rd., Jimen Bridge, Haidian District, Beijing,
China
100088 China

Authorized officer

JIN,Xiaocong

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
US	2009092747A1	09 April 2009	None	
US	2010000441A1	07 January 2010	US 2012007913A1	12 January 2012
CN	102324317A	18 January 2012	None	