

Title (en)  
CONDUCTIVE COMPOSITION FOR PRODUCING CARBON FLEXIBLE HEATING STRUCTURE, CARBON FLEXIBLE HEATING STRUCTURE USING THE SAME, AND MANUFACTURING METHOD THEREOF

Title (de)  
LEITFÄHIGE ZUSAMMENSETZUNG ZUR HERSTELLUNG VON FLEXIBLEN KOHLENSTOFF-HEIZSTRUKTUREN, DIESE VERWENDENDE FLEXIBLE KOHLENSTOFF-HEIZSTRUKTUR UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
COMPOSITION CONDUCTRICE PERMETTANT DE PRODUIRE UNE STRUCTURE DE CARBONE CHAUFFANTE SOUPLE, STRUCTURE DE CARBONE CHAUFFANTE SOUPLE FAISANT APPEL A UN PROCÉDÉ, ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication  
**EP 1733401 A1 20061220 (EN)**

Application  
**EP 05789643 A 20050329**

Priority  

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Abstract (en)  
[origin: WO2006004282A1] Provided is a conductive composition formed of a mixture of liquid silicon rubber and conductive carbon black wherein a weight ratio between the liquid silicon rubber and the conductive carbon black is 100: 1-15, or a conductive composition formed of a mixture of liquid silicon rubber and graphite powder wherein a weight ratio between the liquid silicon rubber and the graphite powder is 100: 10-150. A carbon flexible heating structure is manufactured by mixing a conductive composition formed of liquid silicon rubber and a filler, agitating a mixture of the liquid silicon rubber and conductive carbon black by adding a diluent at a rate of 1-100% with respect to the weight of the liquid silicon rubber, and molding the mixture into a particular shape and curing the molded mixture.

IPC 8 full level  
**H01B 1/04** (2006.01); **C08K 3/04** (2006.01)

CPC (source: EP)  
**C08K 3/04** (2013.01); **H01B 1/18** (2013.01)

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