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(71) Applicant: SOLVIONIC [FR/FR]; 195 Route d'Espagne,
Site Bioparc SANOFI, 31100 TOULOUSE (FR).

(72) Inventors: LIN, Rongying; 4 allée du Gard, 31770
COLOMIERS (FR). FALGAYRAT, Anaïs; 56 rue des
Coquelicots, 31180 CASTELMAUROU (FR). ARAVE-
NA, Carolina; 3 rue Saint Pierre, 08310 MACHAULT
(FR). FANTINI, Sébastien; 37 rue Léo Lagrange, 31400
TOULOUSE (FR). MALBOSC, François; Ferme de Bor-
deneuve, Route de Caussidières, 31560 NAILLOUX (FR).

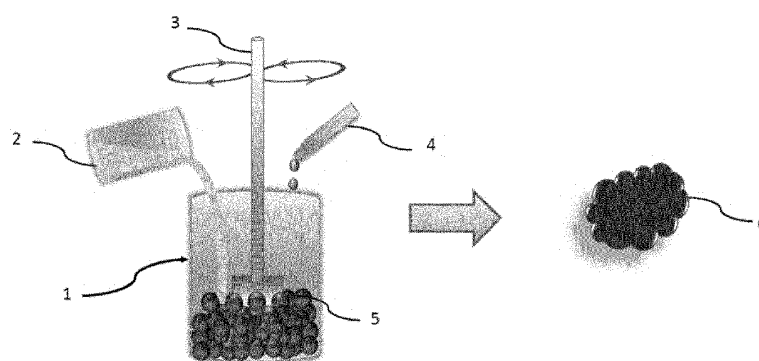
(74) Agent: IP TRUST; 2 rue de Clichy, 75009 PARIS (FR).

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(54) Title: METHOD AND APPARATUS FOR MAKING ELECTRODES FOR AN IONIC LIQUID-BASED SUPERCAPACITOR,
AND METHOD FOR MAKING SUCH A SUPERCAPACITOR

Figure 1



(57) Abstract: A method for making an electrode for an ionic liquid-based supercapacitor comprising two electrodes (anode, cathode) separated by an ionic polymer electrolyte separator, comprising: - a step for making a carbon paste (6) resulting from mixing carbon materials (5), ionic liquids (2) and a binder (4), so as to obtain an active material (6) for said electrode at room temperature, - a step for forming said electrode (11) from mechanically processing said active material (6). A supercapacitor comprising a stack of a cathode electrode, an electrolyte separator and an anode electrode, said cathode and anode electrodes being electrically connected to current collectors, wherein said electrolyte separator comprises a polymer with an ionic liquid and said electrodes comprise a carbon-based active material mixed with an ionic liquid electrolyte and a binder.

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