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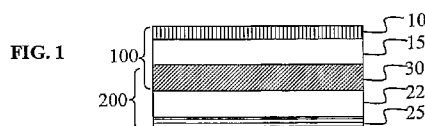
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(54) Title: INTEGRATED ELECTRODE ARCHITECTURES FOR ENERGY GENERATION AND STORAGE



(57) Abstract: The present invention is directed to a hybrid device comprising: an energy converting unit comprising a first electrode, a second electrode and an energy converting medium arranged between the first electrode and the second electrode, wherein the energy conversion takes place between the first electrode and the second electrode; an energy charge storing unit comprising a first electrode, a second electrode and an electrolyte medium; wherein the energy charge is stored between the first and the second electrode; the second electrode of the energy converting unit and the second electrode of the energy charge storing unit being a shared electrode electrically connecting the energy converting unit and the energy charge storing unit; and wherein the shared electrode comprises a metal and a nanostructured material. The present invention is also directed to a method of manufacturing such a hybrid device.