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(54) **ELECTRICAL STORAGE DEVICE PROVIDED WITH FIBER ELECTRODES, AND METHOD FOR PRODUCING SAME**

ELEKTRISCHE SPEICHERVORRICHTUNG MIT FASERELEKTRODEN UND HERSTELLUNGSVERFAHREN DAFÜR

DISPOSITIF DE STOCKAGE D'ELECTRICITE POURVU D'ELECTRODES EN FIBRES ET PROCEDE DE PRODUCTION ASSOCIE

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(56) References cited:
EP-A1- 0 716 466 WO-A1-2006/077192
WO-A1-2010/058574 JP-A- 3 206 173

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EP 2 455 998 B8

JP-A- 5 275 077
JP-A- 8 227 726
JP-A- 10 284 053
JP-A- 59 215 497
JP-A- 2003 317 794

JP-A- 5 275 084
JP-A- 8 264 203
JP-A- 11 233 151
JP-A- 2000 228 213
JP-A- 2004 193 062

JP-T- 2007 533 098
US-A- 4 522 897

US-A- 3 162 549
US-A- 5 518 836