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(56) References cited:

JP-A- 2003 032 907 JP-A- 2004 134 287
JP-A- 2004 328 886 JP-A- 2006 064 639
JP-A- 2009 192 477 JP-A- 2009 216 447
US-A- 5 698 965 US-A- 5 705 914
US-A1- 2006 113 969 US-A1- 2007 114 973

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US-A1- 2007 268 000 US-A1- 2008 001 575
US-B1- 6 194 868 US-B1- 6 373 256

- **LOW K S ET AL: "Supervisor ICs monitor battery-powered equipment", MICROPROCESSORS AND MICROSYSTEMS, IPC BUSINESS PRESS LTD. LONDON, GB, vol. 20, no. 7, 17 March 1997 (1997-03-17) , pages 437-442, XP004073711, ISSN: 0141-9331, DOI: 10.1016/S0141-9331(97)01119-8**