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(71) Applicant (for all designated States except US): MAT- SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-8501 (JP).			
(72) Inventors; and (75) Inventors/Applicants (for US only): SHOJI, Yasuhiko [JP/JP]; Melody-haimu Excel-Ishikiri, Room 204, 1-1-53, Kusaka- cho, Higashiosaka-shi, Osaka 579-8003 (JP). KUBO, Isao [JP/JP]; 137-3, Oaza-Shimoshimagashira, Kadoma-shi, Osaka 571-0004 (JP). YAMAMOTO, Kenji [JP/JP]; 28-7, Takamiya-Shinmachi, Neyagawa-shi, Osaka 572-0847 (JP). MOTOTANI, Yuji [JP/JP]; 37-7, Yawata-Angozuka, Yawata-shi, Kyoto 614-8057 (JP).			
(74) Agent: ISHII, Kazuo; Kitahama-Yamamoto Building, 3-6, Kitahama 2-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 (JP).			

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(54) Title: CYLINDRICAL BATTERY AND METHOD FOR MANUFACTURING THE SAME

(57) Abstract

A high-capacity cylindrical battery, wherein a burst-proof mechanism, which functions to discharge a gas outside when the internal pressure of the battery abnormally increases, does not sacrifice the space for power generating elements but increases the total capacity for power generating elements. The cylindrical battery of has a circular groove (5) formed in the vicinity of an opening of a battery case (1), in which power generating elements are accommodated, the circular groove having a bottom that is bent inward the battery case and has at least one gas discharge aperture (6), which is sealed with a seal element (7). The seal element is an elastic ring to be set in the groove and seal the gas discharge aperture. This arrangement enables the gas discharge aperture to be sealed again even after the burst-proof mechanism functions, thereby ensuring a continuous use of the battery.

