

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



200007200-9
1905 copy

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01M 2/04, B29C 45/00, H01M 2/08		A1	(11) International Publication Number: WO 99/65091
			(43) International Publication Date: 16 December 1999 (16.12.99)
(21) International Application Number: PCT/JP99/03126		(81) Designated States: AU, BR, CA, CN, ID, IN, KR, SG, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 10 June 1999 (10.06.99)			
(30) Priority Data: 10/165118 12 June 1998 (12.06.98) JP		Published With international search report.	
(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): YAMAMOTO, Kenji [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP). KANEKO, Toshikazu [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP). OKUBO, Takeshi [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP). SAEKI, Toshina [JP/JP]; Matsushita Elec- tric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).			
(74) Agent: ISHIHARA, Masaru; Fujiwara Building, 5th floor, 13-2, Kyomachi-bori 1-chome, Nishi-ku, Osaka-shi, Os- aka 550-0003 (JP).			

(54) Title: SEALING STRUCTURE FOR AN ALKALI BATTERY

(57) Abstract

After a negative electrode current collector (10) has been inserted into an insertion hole (28a) therein, a resin sealing element (28) and negative electrode terminal plate (12) are successively inserted into an aperture (1a) of a battery casing (1), and the aperture rim of battery casing (1) is then bent inwards and crimped to seal aperture (1a) of battery casing (1). Sealing element (28) is accommodated within battery casing (1) in an arrangement facing negative electrode terminal plate (12), with resin injection gate (28c) corresponding to resin injection port (27a) of metal molds (22 - 24) during resin molding thereof positioned at the aperture end of battery casing (1).

