

05/07/16

## Number of documents: 1

[US20070275298](#)

Current interrupt device for batteries  
EVEREADY BATTERY

## Current interrupt device for batteries US20070275298

<ul style="list-style-type: none"> <li>• <b>Patent Assignee</b> EVEREADY BATTERY</li> <li>• <b>Inventor</b> IGORIS MISIUCENKO ARTEM EVICH MARTSINOVSKIY CONSTANTINOVICH CHERNOV BORIS GRIGORIEVICH KHORENYAN ROSRISLAV SHKOLNIK NIKOLAY</li> <li>• <b>International Patent Classification</b> H01M-002/00 H01M-002/12 H01M-002/34 H01M-006/50 H01M-010/50</li> <li>• <b>US Patent Classification</b> PCLO=429062000 PCLX=429053000 PCLX=429054000 PCLX=429061000</li> <li>• <b>CPC Code</b> H01M-002/04/6; H01M-002/04/73; H01M-002/12/29; H01M-002/12/82; H01M-002/34/8; H01M-002/34; H01M-004/134; H01M-004/136; H01M-006/14; H01M-006/50/38; H01M-010/42/35; H01M-2200/00; H01M-2200/101 H01M-2200/10;</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Publication Information</b> US2007275298 A1 2007-11-29 [US20070275298]</li> <li>• <b>Priority Details</b> 2006US-11439853 2006-05-24 2007WO-US12379 2007-05-23</li> </ul>																																																																
<ul style="list-style-type: none"> <li>• <b>Fampat family</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">US2007275298</td> <td style="width: 10%;">A1</td> <td style="width: 20%;">2007-11-29</td> <td style="width: 40%;">[US20070275298]</td> </tr> <tr> <td>WO2007139879</td> <td>A2</td> <td>2007-12-06</td> <td>[WO2007139879]</td> </tr> <tr> <td>CA2653074</td> <td>A1</td> <td>2007-12-06</td> <td>[CA2653074]</td> </tr> <tr> <td>AU2007267959</td> <td>A1</td> <td>2007-12-06</td> <td>[AU2007267959]</td> </tr> <tr> <td>WO2007139879</td> <td>A3</td> <td>2008-03-13</td> <td>[WO2007139879]</td> </tr> <tr> <td>EP2022115</td> <td>A2</td> <td>2009-02-11</td> <td>[EP2022115]</td> </tr> <tr> <td>KR20090028553</td> <td>A</td> <td>2009-03-18</td> <td>[KR20090028553]</td> </tr> <tr> <td>CN101490874</td> <td>A</td> <td>2009-07-22</td> <td>[CN101490874]</td> </tr> <tr> <td>JP2009538505</td> <td>A</td> <td>2009-11-05</td> <td>[JP2009538505]</td> </tr> <tr> <td>US7763375</td> <td>B2</td> <td>2010-07-27</td> <td>[US7763375]</td> </tr> <tr> <td>NZ572955</td> <td>A</td> <td>2011-01-28</td> <td>[NZ-572955]</td> </tr> <tr> <td>AU2007267959</td> <td>B2</td> <td>2011-12-22</td> <td>[AU2007267959]</td> </tr> <tr> <td>CN101490874</td> <td>B</td> <td>2012-08-08</td> <td>[CN101490874B]</td> </tr> <tr> <td>JP5340922</td> <td>B2</td> <td>2013-11-13</td> <td>[JP5340922]</td> </tr> <tr> <td>KR101364408</td> <td>B1</td> <td>2014-02-21</td> <td>[KR101364408]</td> </tr> <tr> <td>CA2653074</td> <td>C</td> <td>2015-07-07</td> <td>[CA2653074]</td> </tr> </table> </li> </ul>		US2007275298	A1	2007-11-29	[US20070275298]	WO2007139879	A2	2007-12-06	[WO2007139879]	CA2653074	A1	2007-12-06	[CA2653074]	AU2007267959	A1	2007-12-06	[AU2007267959]	WO2007139879	A3	2008-03-13	[WO2007139879]	EP2022115	A2	2009-02-11	[EP2022115]	KR20090028553	A	2009-03-18	[KR20090028553]	CN101490874	A	2009-07-22	[CN101490874]	JP2009538505	A	2009-11-05	[JP2009538505]	US7763375	B2	2010-07-27	[US7763375]	NZ572955	A	2011-01-28	[NZ-572955]	AU2007267959	B2	2011-12-22	[AU2007267959]	CN101490874	B	2012-08-08	[CN101490874B]	JP5340922	B2	2013-11-13	[JP5340922]	KR101364408	B1	2014-02-21	[KR101364408]	CA2653074	C	2015-07-07	[CA2653074]
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- **Abstract:**

(EP2022115)

The invention is a battery containing at least one electrochemical cell having a sealing plate with a pressure relief vent, the sealing plate being part of an electrical circuit between one of the electrodes and the corresponding terminal under normal conditions but capable of changing shape to break the circuit without the cell venting when the temperature of the sealing plate rises to a predetermined level and then returning to its original shape to reestablish the broken circuit when the sealing plate temperature returns to a normal level. (From US7763375 B2)



