

Title (en)  
LITHIUM ION CELL

Title (de)  
LITHIUM-IONEN-ZELLE

Title (fr)  
CELLULE LITHIUM-ION

Publication  
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Application  
**EP 11721266 A 20110510**

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Abstract (en)  
[origin: WO2011157489A1] A galvanic element, in particular a lithium-ion cell, comprising a negative electrode (1), a positive electrode (2) and a separator (3) arranged between the negative electrode (1) and the positive electrode (2). In order to increase the mechanical stability of the separator (3) and in the process to negatively influence the electrical power of the galvanic element as little as possible, the separator (3) comprises at least one inorganic solid electrolyte layer (4) conducting lithium ions. Furthermore, the present invention relates to a corresponding separator (3) and the use thereof.

IPC 8 full level  
**B32B 18/00** (2006.01); **C04B 35/00** (2006.01); **H01M 10/0525** (2010.01); **H01M 10/056** (2010.01); **H01M 10/0562** (2010.01); **H01M 10/0565** (2010.01); **H01M 50/417** (2021.01); **H01M 50/434** (2021.01); **H01M 50/457** (2021.01); **H01M 50/489** (2021.01); **H01M 50/491** (2021.01); **H01M 50/497** (2021.01)

CPC (source: EP US)  
**C01G 23/003** (2013.01 - EP US); **C04B 35/01** (2013.01 - EP US); **C04B 35/447** (2013.01 - EP US); **C04B 35/462** (2013.01 - EP US); **C04B 35/495** (2013.01 - EP US); **C04B 35/58** (2013.01 - EP US); **C04B 35/624** (2013.01 - EP US); **C04B 35/62655** (2013.01 - EP US); **H01M 10/0525** (2013.01 - EP US); **H01M 10/056** (2013.01 - EP US); **H01M 10/0562** (2013.01 - EP US); **H01M 10/0565** (2013.01 - EP US); **H01M 50/417** (2021.01 - EP US); **H01M 50/434** (2021.01 - EP US); **H01M 50/457** (2021.01 - EP US); **C01P 2006/40** (2013.01 - EP US); **C04B 2235/3203** (2013.01 - EP US); **C04B 2235/3213** (2013.01 - EP US); **C04B 2235/3215** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3224** (2013.01 - EP US); **C04B 2235/3227** (2013.01 - EP US); **C04B 2235/3232** (2013.01 - EP US); **C04B 2235/3251** (2013.01 - EP US); **C04B 2235/3284** (2013.01 - EP US); **C04B 2235/3286** (2013.01 - EP US); **C04B 2235/3287** (2013.01 - EP US); **C04B 2235/3294** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/447** (2013.01 - EP US); **C04B 2235/764** (2013.01 - EP US); **C04B 2235/768** (2013.01 - EP US); **H01M 4/0471** (2013.01 - EP US); **H01M 10/0585** (2013.01 - EP US); **H01M 10/0587** (2013.01 - EP US); **H01M 50/489** (2021.01 - EP US); **H01M 50/491** (2021.01 - EP US); **H01M 50/497** (2021.01 - EP US); **H01M 2300/0094** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2011157489A1

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US 6432586 B1 20020813 - ZHANG ZHENGMING [US]

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DE102018203161A1; DE102016217705A1; WO2018050327A1; DE102016224252A1; DE102016225313A1; WO2018108515A1

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