

Title (en)
CELL FOR MAKING SECONDARY BATTERIES

Publication
EP 0495895 A4 19930203 (EN)

Application
EP 90915940 A 19901009

Priority
US 42109189 A 19891013

Abstract (en)
[origin: WO9106132A1] The present invention provides all solid-state lithium and sodium batteries operating in the approximate temperature range of ambient to 145 DEG C (limited by melting points of electrodes/electrolyte), with demonstrated energy and power densities far in excess of state-of-the-art high-temperature battery systems. The preferred battery comprises a solid lithium or sodium electrode (12), a polymeric electrolyte (15) such as polyethylene oxide doped with lithium triflate (PEO8LiCF3SO3), and a solid-state composite positive electrodes (14) containing a polymeric organosulfur electrode, (SRS)_n, and carbon black, dispersed in a polymeric electrolyte.

IPC 1-7
H01M 10/36

IPC 8 full level
H01M 4/02 (2006.01); **H01M 4/136** (2010.01); **H01M 4/40** (2006.01); **H01M 4/60** (2006.01); **H01M 4/62** (2006.01); **H01M 8/18** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0565** (2010.01); **H01M 10/36** (2010.01); **H01M 10/39** (2006.01); **H01M 4/36** (2006.01); **H01M 4/66** (2006.01)

CPC (source: EP)
H01M 4/136 (2013.01); **H01M 4/137** (2013.01); **H01M 4/364** (2013.01); **H01M 4/40** (2013.01); **H01M 4/60** (2013.01); **H01M 4/604** (2013.01); **H01M 4/606** (2013.01); **H01M 4/625** (2013.01); **H01M 10/052** (2013.01); **H01M 10/0565** (2013.01); **H01M 10/3909** (2013.01); **H01M 10/3918** (2013.01); **H01M 4/405** (2013.01); **H01M 4/669** (2013.01); **H01M 10/054** (2013.01); **H01M 10/3954** (2013.01); **H01M 2300/0071** (2013.01); **H01M 2300/0082** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)
• [E] EP 0415856 A2 19910306 - HYDRO QUEBEC [CA]
• See references of WO 9106132A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
WO 9106132 A1 19910502; AU 642676 B2 19931028; AU 6611090 A 19910516; BR 9007750 A 19920901; CA 2053887 A1 19910414; CA 2053887 C 20011211; CN 1023364 C 19931229; CN 1053324 A 19910724; EP 0495895 A1 19920729; EP 0495895 A4 19930203; JP 3102880 B2 20001023; JP H05501937 A 19930408; KR 0137006 B1 19980615; RU 2099821 C1 19971220

DOCDB simple family (application)
US 9005638 W 19901009; AU 6611090 A 19901009; BR 9007750 A 19901009; CA 2053887 A 19901009; CN 90109212 A 19901013; EP 90915940 A 19901009; JP 51498790 A 19901009; KR 920700853 A 19920413; SU 5011317 A 19920131