

Title (en)
LITHIUM BATTERIES.

Title (de)
LITHIUM-BATTERIEN.

Title (fr)
BATTERIES AU LITHIUM.

Publication
EP 0063129 A1 19821027 (EN)

Application
EP 81902829 A 19811021

Priority
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Abstract (en)
[origin: WO8201442A1] Electrochemical cells having an anode containing lithium as the electrochemically active material, and a cathode, said anode and cathode being immersed in a substantially anhydrous electrolyte free from Lewis acids and sulphur dioxide and containing from 0.1M to saturation LiAsF₆ dissolved in a solvent mixture of propylene carbonate and acetonitrile wherein acetonitrile forms from 10 to 80% of the combined volume of acetonitrile and propylene carbonate, and said solvent mixture consists of at least 80% by volume acetonitrile and propylene carbonate with the balance, if any, being in the form of inert liquid material.

Abstract (fr)
Des cellules electrochimiques ont une anode contenant du lithium comme materiau a action electrochimique, et une cathode, cette anode et cette cathode etant immergee dans un electrolyte sensiblement anhydre exempt d'acides de Lewis et d'anhydride sulfureux et contenant de 0,1 M jusqu'a saturation de LiAsF₆ dissout dans un melange solvant de carbonate de propylene et d'acetonitrile dans lequel l'acetonitrile constitue de 10 a 80% du volume combine d'acetonitrile et de carbonate de propylene, ce melange solvant consistant en au moins 80% en volume d'acetonitrile et de carbonate de propylene, le reste etant constitue eventuellement par un materiau liquide inerte.

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