

Title (en)
ELECTRIC STORAGE BATTERIES.

Title (de)
ELEKTRISCHE SPEICHERBATTERIEN.

Title (fr)
ACCUMULATEURS ELECTRIQUES.

Publication
EP 0046749 A1 19820310 (EN)

Application
EP 80900778 A 19800508

Priority
• GB 7916120 A 19790509
• GB 8007470 A 19800305

Abstract (en)
[origin: WO8002472A1] A recombinant lead acid electric storage battery in which the separator is an electrolyte and gas permeable compressible fibrous material having an electrolyte absorption ratio of at least 100% and a volume E of electrolyte of at least $0.8(X+Y)$ where X is the total pore volume of the separators in the dry state and Y is the total pore volume of the active electrode material in the dry fully charged state, the battery at least when fully charged having no free unabsorbed electrolyte. Gas recombination at least at charging rates not in excess of C/20 is achieved for miner's cap lamp, aircraft and automotive batteries which are described.

Abstract (fr)
Dans une batterie d'accumulateurs au plomb, le separateur est un electrolyte et un materiau fibreux compressible permeable aux gaz ayant un taux d'absorption de l'electrolyte d'au moins 100% et un volume d'electrolyte d'au moins $0,8 (X + Y)$ ou X est le volume total des pores des separateurs a l'etat sec et Y est le volume total des pores du materiau d'electrode actif a l'etat sec completement charge, la batterie, au moins a l'etat totalement charge, n'ayant aucun electrolyte non absorbe. La recombinaison des gaz au moins aux vitesses de charge ne depassant pas C/20 est realisee pour les lampes de tete de mineur, des batteries d'avions et de voitures.

IPC 1-7
H01M 10/34

IPC 8 full level
H01M 10/34 (2006.01)

CPC (source: EP)
H01M 10/342 (2013.01); **Y02E 60/10** (2013.01)

Designated contracting state (EPC)
DE FR NL SE

DOCDB simple family (publication)
WO 8002472 A1 19801113; EP 0046749 A1 19820310; ES 491331 A0 19810316; ES 8103886 A1 19810316; IN 152628 B 19840225; SG 34384 G 19850208

DOCDB simple family (application)
GB 8000082 W 19800508; EP 80900778 A 19800508; ES 491331 A 19800509; IN 543CA1980 A 19800508; SG 34384 A 19840503