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Subject Index of Volume 88, Issue 1

Absorptive glass mat

- Microglass; Separator; Stratification; Valve-regulated lead-acid batteries (Zguris, G.C. (88) 36)
- Adaptability
 - Cleanliness; Economy; Purity; Suitability; Versatility (Andrews, D. (88) 124)

Alloy

Corrosion; Float charging current; Negative electrode; Separator; Valve-regulated lead – acid battery (Onoda, Y. (88) 101)

Automotive battery

Cranking; Dual-voltage; Lead-acid; Specific energy/power; Valveregulated (Peters, K. (88) 83)

Basel

Battery recycling; Environment and health; Lead exposure; Philippines; Secondary lead (Hoffmann, U. (88) 115)

Battery

Flooded; Lead-acid; Service life; Valve-regulated (Moseley, P.T. (88) 71)

Battery life

- Bismuth; Leady oxide; Purity; Soft lead; Valve-regulated lead-acid (Lam, L.T. (88) 2)
- Battery recycling
- Basel; Environment and health; Lead exposure; Philippines; Secondary lead (Hoffmann, U. (88) 115)
- Bismuth
 - Battery life; Leady oxide; Purity; Soft lead; Valve-regulated lead-acid (Lam, L.T. (88) 2)
 - Capacity; Compression; Oxide; Purity; Valve-regulated lead-acid (Lam, L.T. (88) 11)

Boric acid

Dry-charged batteries; Lead-acid batteries; Passivation; Positive plates (Chen, H.Y. (88) 78)

Capacity

Bismuth; Compression; Oxide; Purity; Valve-regulated lead-acid (Lam, L.T. (88) 11)

Capacity retention

Expanded grid; Motorcycle; Valve-regulated lead-acid battery; Wet charged design (Kato, E. (88) 98)

Cast-on-strap

Defects; Fusion; Lug-strap interface; Strap alloys; Valve-regulated lead-acid batteries (Lakshmi, C.S. (88) 18)

Charge/termination algorithms

Current-interrupt; Cycle-life; Oxygen cycle; Valve-regulated lead-acid (VRLA) batteries (Nelson, R.F. (88) 44)

Cleanliness

- Adaptability; Economy; Purity; Suitability; Versatility (Andrews, D. (88) 124)
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Compression

Bismuth; Capacity; Oxide; Purity; Valve-regulated lead-acid (Lam, L.T. (88) 11)
Electric vehicles; Expanders; Fast charging; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (88) 53)
Corrosion

Alloy; Float charging current; Negative electrode; Separator; Valveregulated lead – acid battery (Onoda, Y. (88) 101)

Cranking

Automotive battery; Dual-voltage; Lead-acid; Specific energy/ power; Valve-regulated (Peters, K. (88) 83)

Current-interrupt

Charge/termination algorithms; Cycle-life; Oxygen cycle; Valve-regulated lead-acid (VRLA) batteries (Nelson, R.F. (88) 44)

Current take-off

Double-Impact[™]; Fast charge; Hybrid electric vehicle; Valve-regulated lead–acid battery; State-of-charge (Lam, L.T. (88) 92)

Cycle-life

Charge/termination algorithms; Current-interrupt; Oxygen cycle; Valve-regulated lead-acid (VRLA) batteries (Nelson, R.F. (88) 44)

Defects

Cast-on-strap; Fusion; Lug-strap interface; Strap alloys; Valve-regulated lead-acid batteries (Lakshmi, C.S. (88) 18)

Design

Grid alloy; Lead – acid battery; Performance; Manufacture; Quality assurance (Lambert, D.W.H. (88) 130)

Double-Impact[™]

Current take-off; Fast charge; Hybrid electric vehicle; Valve-regulated lead-acid battery; State-of-charge (Lam, L.T. (88) 92)

Dry-charged batteries

Boric acid; Lead-acid batteries; Passivation; Positive plates (Chen, H.Y. (88) 78)

Dual-voltage

Automotive battery; Cranking; Lead-acid; Specific energy/power; Valve-regulated (Peters, K. (88) 83)

Economy

Adaptability; Cleanliness; Purity; Suitability; Versatility (Andrews, D. (88) 124)

Electric vehicles

Compression; Expanders; Fast charging; Separators; Tubular plates; Valve-regulated lead–acid batteries (Cooper, A. (88) 53)

Environment and health

Basel; Battery recycling; Lead exposure; Philippines; Secondary lead (Hoffmann, U. (88) 115)

Expanded grid

Capacity retention; Motorcycle; Valve-regulated lead-acid battery; Wet charged design (Kato, E. (88) 98)

Expanders

Compression; Electric vehicles; Fast charging; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (88) 53)

Fast charge

- Current take-off; Double-Impact[™]; Hybrid electric vehicle; Valveregulated lead–acid battery; State-of-charge (Lam, L.T. (88) 92) Fast charging
 - Compression; Electric vehicles; Expanders; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (88) 53)
- Float charging current
 - Alloy; Corrosion; Negative electrode; Separator; Valve-regulated lead – acid battery (Onoda, Y. (88) 101)

Flooded

Battery; Lead-acid; Service life; Valve-regulated (Moseley, P.T. (88) 71)

Fusion

Cast-on-strap; Defects; Lug-strap interface; Strap alloys; Valve-regulated lead-acid batteries (Lakshmi, C.S. (88) 18)

Grid alloy

Design; Lead – acid battery; Performance; Manufacture; Quality assurance (Lambert, D.W.H. (88) 130)

Hedging

Industry structure; Lead market; London Metal Exchange (LME); Prices (Keen, A. (88) 27)

Household lighting

Photovoltaic power-supply systems; Remote areas; Valve-regulated lead – acid batteries (Lambert, D.W.H. (88) 108)

Hybrid electric vehicle

Current take-off; Double-Impact[™]; Fast charge; Valve-regulated lead-acid battery; State-of-charge (Lam, L.T. (88) 92)

Industry structure

Hedging; Lead market; London Metal Exchange (LME); Prices (Keen, A. (88) 27)

Lead-acid

- Battery; Flooded; Service life; Valve-regulated (Moseley, P.T. (88) 71)
- Automotive battery; Cranking; Dual-voltage; Specific energy/power; Valve-regulated (Peters, K. (88) 83)

Lead-acid batteries

- Boric acid; Dry-charged batteries; Passivation; Positive plates (Chen, H.Y. (88) 78)
- Lead acid battery
- Design; Grid alloy; Performance; Manufacture; Quality assurance (Lambert, D.W.H. (88) 130)
- Lead exposure

Basel; Battery recycling; Environment and health; Philippines; Secondary lead (Hoffmann, U. (88) 115)

Lead market

Industry structure; Hedging; London Metal Exchange (LME); Prices (Keen, A. (88) 27)

Leady oxide

- Battery life; Bismuth; Purity; Soft lead; Valve-regulated lead-acid (Lam, L.T. (88) 2)
- London Metal Exchange (LME)
- Industry structure; Hedging; Lead market; Prices (Keen, A. (88) 27) Lug-strap interface
 - Cast-on-strap; Defects; Fusion; Strap alloys; Valve-regulated leadacid batteries (Lakshmi, C.S. (88) 18)

Manufacture

Design; Grid alloy; Lead – acid battery; Performance; Quality assurance (Lambert, D.W.H. (88) 130)

Microglass

Absorptive glass mat; Separator; Stratification; Valve-regulated lead-acid batteries (Zguris, G.C. (88) 36)

Motorcycle

Capacity retention; Expanded grid; Valve-regulated lead-acid battery; Wet charged design (Kato, E. (88) 98)

Negative electrode

Alloy; Corrosion; Float charging current; Separator; Valve-regulated lead – acid battery (Onoda, Y. (88) 101)

Oxide

Bismuth; Capacity; Compression; Purity; Valve-regulated lead-acid (Lam, L.T. (88) 11)

Oxygen cycle

Charge/termination algorithms; Current-interrupt; Cycle-life; Valveregulated lead-acid (VRLA) batteries (Nelson, R.F. (88) 44)

Passivation

Boric acid; Dry-charged batteries; Lead-acid batteries; Positive plates (Chen, H.Y. (88) 78)

Performance

Design; Grid alloy; Lead – acid battery; Manufacture; Quality assurance (Lambert, D.W.H. (88) 130)

Philippines

Basel; Battery recycling; Environment and health; Lead exposure; Secondary lead (Hoffmann, U. (88) 115)

Photovoltaic power-supply systems

- Household lighting; Remote areas; Valve-regulated lead acid batteries (Lambert, D.W.H. (88) 108)
- Positive plates

Boric acid; Dry-charged batteries; Lead-acid batteries; Passivation (Chen, H.Y. (88) 78)

Prices

Industry structure; Hedging; Lead market; London Metal Exchange (LME) (Keen, A. (88) 27)

Purity

- Battery life; Bismuth; Leady oxide; Soft lead; Valve-regulated leadacid (Lam, L.T. (88) 2)
- Bismuth; Capacity; Compression; Oxide; Valve-regulated lead-acid (Lam, L.T. (88) 11)

Adaptability; Cleanliness; Economy; Suitability; Versatility (Andrews, D. (88) 124)

Ouality assurance

Design; Grid alloy; Lead – acid battery; Performance; Manufacture (Lambert, D.W.H. (88) 130)

Remote areas

Household lighting; Photovoltaic power-supply systems; Valve-regulated lead – acid batteries (Lambert, D.W.H. (88) 108)

Secondary lead

Basel; Battery recycling; Environment and health; Lead exposure; Philippines (Hoffmann, U. (88) 115)

Separator

- Absorptive glass mat; Microglass; Stratification; Valve-regulated lead-acid batteries (Zguris, G.C. (88) 36)
- Alloy; Corrosion; Float charging current; Negative electrode; Valveregulated lead – acid battery (Onoda, Y. (88) 101)

Separators

- Compression; Electric vehicles; Expanders; Fast charging; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (88) 53) Service life
- Battery; Flooded; Lead-acid; Valve-regulated (Moseley, P.T. (88) 71) Soft lead
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- Specific energy/power
- Automotive battery; Cranking; Dual-voltage; Lead-acid; Valve-regulated (Peters, K. (88) 83)
- State-of-charge
- Current take-off; Double-Impact[™]; Fast charge; Hybrid electric vehicle; Valve-regulated lead-acid battery (Lam, L.T. (88) 92)
- Strap alloys
- Cast-on-strap; Defects; Fusion; Lug-strap interface; Valve-regulated lead-acid batteries (Lakshmi, C.S. (88) 18)
- Stratification
 - Absorptive glass mat; Microglass; Separator; Valve-regulated leadacid batteries (Zguris, G.C. (88) 36)
- Suitability
 - Adaptability; Cleanliness; Economy; Purity; Versatility (Andrews, D. (88) 124)
- Tubular plates

- Valve-regulated
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- Wet charged design
 - Capacity retention; Expanded grid; Motorcycle; Valve-regulated lead-acid battery (Kato, E. (88) 98)

Compression; Electric vehicles; Expanders; Fast charging; Separators; Valve-regulated lead-acid batteries (Cooper, A. (88) 53)