EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1911

DATE: AUGUST 1, 2026

PROJECT DP12947

**The following classification changes will be effected by this Notice of Changes**:

| **Action** | **Subclass** | **Group(s)** |
|---|---|---|
| **DEFINITIONS:** | | |
| Definitions New: | H02J | 7/40, 7/46, 7/47, 7/60, 7/61, 7/63, 7/80, 7/82, 7/84 |
| Definitions Modified: | H02J | 7/00 |

**No other subclasses/groups are impacted by this Notice of Changes.**

**This Notice of Changes includes the following** *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES
   - ☐ A. New, Modified or Deleted Group(s)
   - ☐ B. New, Modified or Deleted Warning(s)
   - ☐ C. New, Modified or Deleted Note(s)
   - ☐ D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS
   - ☒ A. New or Modified Definitions (Full definition template)
   - ☐ B. Modified or Deleted Definitions (Definitions Quick Fix)
3. ☐ REVISION CONCORDANCE LIST (RCL)
4. ☐ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. ☐ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

# 2. A. DEFINITIONS (new)

## H02J 7/40

### Definition statement

*This place covers:*

Information transfer and interaction related to charging and discharging.

## H02J 7/46

### Definition statement

*This place covers:*

Charging processes where battery management systems [BMS] or other management systems in their role of “leaders” issue commands while chargers or battery cells in their role of “followers” adjust their operations in response.

## H02J 7/47

### Definition statement

*This place covers:*

Protocols and mechanisms used to verify whether charging-related devices are compatible at the physical or protocol level, or to authenticate the legitimacy of these devices, e.g. verify whether the power delivery [PD] protocol supported by the device matches the charger.

### References

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

| | |
|---|---|
| Security arrangements for protecting computers, components thereof, program or data against unauthorised activity; Program or device authentication | G06F 21/44 |

## H02J 7/60

### References

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

| | |
|---|---|
| Emergency protective circuit arrangements specially adapted for batteries or rechargeable batteries | H02H 7/18 |

## H02J 7/61

### References

### Application-oriented references

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

| | |
|---|---|
| Preventing overcharging for electric vehicles | B60L 58/15 |

## H02J 7/63

### References

### Application-oriented references

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

| | |
|---|---|
| Preventing excessive discharging for electric vehicles | B60L 58/14 |

## H02J 7/80

### References

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

| | |
|---|---|
| Arrangements for testing, measuring or monitoring the electrical condition of accumulators or batteries, e.g. capacity or state of charge [SoC] | G01R 31/36 |

## H02J 7/82

### References

### Application-oriented references

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

| | |
|---|---|
| Detection of state of charge [SoC] for electric vehicles | B60L 58/12 |

## H02J 7/84

### References

### Application-oriented references

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

| | |
|---|---|
| Detection of state of health [SoH] for electric vehicles | B60L 58/16 |

# 2. A. DEFINITIONS (modified)

## H02J 7/00

Replace: The existing Definition statement text with the following updated text.

### Definition statement

*This place covers:*

Circuit arrangements for charging or discharging batteries.

Management of charging or discharging, e.g. sequential discharge, prioritisation of loads, monitoring arrangements or protection.

### References

Replace: The existing Application-oriented references table with the following updated table.

### *Application-oriented references*

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

| | |
|---|---|
| Circuit arrangements for DC mains or DC distribution networks with parallel operation of DC sources | H02J 1/10 |
| Circuit arrangements for AC mains or AC distribution networks for balancing the load in a network by storage of energy using batteries with converting means | H02J 3/32 |
| Arrangements or methods specially adapted for charging batteries of electrically operated smoking devices | A24F 40/90 |
| Installation of the electric equipment of suction cleaners; Controlling suction cleaners by electric means | A47L 9/28 |
| Blood pumps with implantable batteries | A61M 60/876 |
| Details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for | B25F 5/00 |

| | |
|---|---|
| Arrangement or mounting of plural diverse prime-movers characterised by the electric energy storing means, e.g. batteries | B60K 6/28 |
| Electric propulsion system with power supplied within the vehicle | B60L 50/00 |
| Charging stations or on-board charging equipment for electrically-propelled vehicles | B60L 53/00 |
| Conjoint control of vehicle energy storage | B60W 10/26 |
| Electric circuits for optical signalling or lighting devices on cycles using batteries | B62J 6/015 |
| Arrangements of batteries specially adapted to cycles | B62J 43/00 |
| Rider propulsion of wheeled vehicles with batteries as additional source of power | B62M 6/90 |
| All-electric aircraft | B64D 27/34 |
| Power-actuated vehicle locks using batteries other than the vehicle main battery | E05B 81/82 |
| Electric lighting devices with self-contained electric batteries or cells characterised by means for in situ recharging of the batteries or cells | F21L 4/08 |
| Lighting devices with a built-in battery or accumulator | F21S 9/02 |
| Portable igniters with built-in battery | F23Q 7/16 |
| Arrangements of electric power supplies in time-pieces | G04C 10/00 |
| Power supply means for electric digital data processing | G06F 1/26 |
| Portable transceivers with arrangements for mounting batteries or battery chargers | H04B 1/3883 |
| Current supply arrangements for data switching networks | H04L 12/10 |
| Details of telephone stands | H04M |