

CPC COOPERATIVE PATENT CLASSIFICATION

Y GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS

(NOTES omitted)

Y02 TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE

(NOTES omitted)

Y02T CLIMATE CHANGE MITIGATION TECHNOLOGIES RELATED TO TRANSPORTATION

| | | | |
|--------------|--|--------------|--|
| 10/00 | Road transport of goods or passengers | 50/80 | • Energy efficient operational measures, e.g. ground operations or mission management |
| 10/10 | • Internal combustion engine [ICE] based vehicles | | |
| 10/12 | • • Improving ICE efficiencies | 70/00 | Maritime or waterways transport |
| 10/30 | • • Use of alternative fuels, e.g. biofuels | 70/10 | • Measures concerning design or construction of watercraft hulls |
| 10/40 | • • Engine management systems | 70/50 | • Measures to reduce greenhouse gas emissions related to the propulsion system |
| 10/60 | • Other road transportation technologies with climate change mitigation effect | 70/5218 | • • Less carbon-intensive fuels, e.g. natural gas, biofuels |
| 10/62 | • • Hybrid vehicles | 70/5236 | • • • Renewable or hybrid-electric solutions |
| 10/64 | • • Electric machine technologies in electromobility | | |
| 10/70 | • • Energy storage systems for electromobility, e.g. batteries | 90/00 | Enabling technologies or technologies with a potential or indirect contribution to GHG emissions mitigation |
| 10/7072 | • • Electromobility specific charging systems or methods for batteries, ultracapacitors, supercapacitors or double-layer capacitors | 90/10 | • Technologies relating to charging of electric vehicles |
| 10/72 | • • Electric energy management in electromobility | 90/12 | • • Electric charging stations |
| 10/80 | • Technologies aiming to reduce greenhouse gasses emissions common to all road transportation technologies | 90/14 | • • Plug-in electric vehicles |
| 10/82 | • • Elements for improving aerodynamics | 90/16 | • • Information or communication technologies improving the operation of electric vehicles |
| 10/84 | • • Data processing systems or methods, management, administration | 90/167 | • • • Systems integrating technologies related to power network operation and communication or information technologies for supporting the interoperability of electric or hybrid vehicles, i.e. smartgrids as interface for battery charging of electric vehicles [EV] or hybrid vehicles [HEV] |
| 10/86 | • • Optimisation of rolling resistance, e.g. weight reduction | | NOTE |
| 10/88 | • • Optimized components or subsystems, e.g. lighting, actively controlled glasses | | Documents tagged under Y02T 90/167 are concurrently tagged also under Y04S 30/10 |
| 10/90 | • • Energy harvesting concepts as power supply for auxiliaries' energy consumption, e.g. photovoltaic sun-roof | | |
| 10/92 | • • Energy efficient charging or discharging systems for batteries, ultracapacitors, supercapacitors or double-layer capacitors specially adapted for vehicles | 90/40 | • Application of hydrogen technology to transportation, e.g. using fuel cells |
| 30/00 | Transportation of goods or passengers via railways, e.g. energy recovery or reducing air resistance | | |
| 50/00 | Aeronautics or air transport | | |
| 50/10 | • Drag reduction | | |
| 50/30 | • Wing lift efficiency | | |
| 50/40 | • Weight reduction | | |
| 50/50 | • On board measures aiming to increase energy efficiency | | |
| 50/60 | • Efficient propulsion technologies, e.g. for aircraft | | |
| 50/678 | • • Aviation using fuels of non-fossil origin | | |