

# 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

<b>10/00</b>	<b>Road transport of goods or passengers</b>	50/80	<ul style="list-style-type: none"> <li>Energy efficient operational measures, e.g. ground operations or mission management</li> </ul>
10/10	<ul style="list-style-type: none"> <li>Internal combustion engine [ICE] based vehicles</li> </ul>	<b>70/00</b>	<b>Maritime or waterways transport</b>
10/12	<ul style="list-style-type: none"> <li>Improving ICE efficiencies</li> </ul>	70/10	<ul style="list-style-type: none"> <li>Measures concerning design or construction of watercraft hulls</li> </ul>
10/30	<ul style="list-style-type: none"> <li>Use of alternative fuels, e.g. biofuels</li> </ul>	70/50	<ul style="list-style-type: none"> <li>Measures to reduce greenhouse gas emissions related to the propulsion system</li> </ul>
10/40	<ul style="list-style-type: none"> <li>Engine management systems</li> </ul>	70/5218	<ul style="list-style-type: none"> <li>Less carbon-intensive fuels, e.g. natural gas, biofuels</li> </ul>
10/60	<ul style="list-style-type: none"> <li>Other road transportation technologies with climate change mitigation effect</li> </ul>	70/5236	<ul style="list-style-type: none"> <li>Renewable or hybrid-electric solutions</li> </ul>
10/62	<ul style="list-style-type: none"> <li>Hybrid vehicles</li> </ul>	<b>90/00</b>	<b>Enabling technologies or technologies with a potential or indirect contribution to GHG emissions mitigation</b>
10/64	<ul style="list-style-type: none"> <li>Electric machine technologies in electromobility</li> </ul>	90/10	<ul style="list-style-type: none"> <li>Technologies relating to charging of electric vehicles</li> </ul>
10/70	<ul style="list-style-type: none"> <li>Energy storage systems for electromobility, e.g. batteries</li> </ul>	90/12	<ul style="list-style-type: none"> <li>Electric charging stations</li> </ul>
10/7072	<ul style="list-style-type: none"> <li>Electromobility specific charging systems or methods for batteries, ultracapacitors, supercapacitors or double-layer capacitors</li> </ul>	90/14	<ul style="list-style-type: none"> <li>Plug-in electric vehicles</li> </ul>
10/72	<ul style="list-style-type: none"> <li>Electric energy management in electromobility</li> </ul>	90/16	<ul style="list-style-type: none"> <li>Information or communication technologies improving the operation of electric vehicles</li> </ul>
10/80	<ul style="list-style-type: none"> <li>Technologies aiming to reduce greenhouse gasses emissions common to all road transportation technologies</li> </ul>	90/167	<ul style="list-style-type: none"> <li>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]</li> </ul>
10/82	<ul style="list-style-type: none"> <li>Elements for improving aerodynamics</li> </ul>		<b>NOTE</b>
10/84	<ul style="list-style-type: none"> <li>Data processing systems or methods, management, administration</li> </ul>		Documents tagged under <a href="#">Y02T 90/167</a> are concurrently tagged also under <a href="#">Y04S 30/10</a>
10/86	<ul style="list-style-type: none"> <li>Optimisation of rolling resistance, e.g. weight reduction</li> </ul>	90/40	<ul style="list-style-type: none"> <li>Application of hydrogen technology to transportation, e.g. using fuel cells</li> </ul>
10/88	<ul style="list-style-type: none"> <li>Optimized components or subsystems, e.g. lighting, actively controlled glasses</li> </ul>		
10/90	<ul style="list-style-type: none"> <li>Energy harvesting concepts as power supply for auxiliaries' energy consumption, e.g. photovoltaic sun-roof</li> </ul>		
10/92	<ul style="list-style-type: none"> <li>Energy efficient charging or discharging systems for batteries, ultracapacitors, supercapacitors or double-layer capacitors specially adapted for vehicles</li> </ul>		
<b>30/00</b>	<b>Transportation of goods or passengers via railways, e.g. energy recovery or reducing air resistance</b>		
<b>50/00</b>	<b>Aeronautics or air transport</b>		
50/10	<ul style="list-style-type: none"> <li>Drag reduction</li> </ul>		
50/30	<ul style="list-style-type: none"> <li>Wing lift efficiency</li> </ul>		
50/40	<ul style="list-style-type: none"> <li>Weight reduction</li> </ul>		
50/50	<ul style="list-style-type: none"> <li>On board measures aiming to increase energy efficiency</li> </ul>		
50/60	<ul style="list-style-type: none"> <li>Efficient propulsion technologies, e.g. for aircraft</li> </ul>		
50/678	<ul style="list-style-type: none"> <li>Aviation using fuels of non-fossil origin</li> </ul>		