

Climate Change Mitigating Technology - Patent Trends

John Parkin

Maucher Jenkins, London, UK

Abstract

In 2009 the UK Intellectual Property Office introduced a “Green Channel” for fast-tracking patent applications relating to inventions that have environmental benefit. After an initial uptake, the indications are that the level of activity has reached a steady-state. Meanwhile, in 2012 the European Patent Office introduced a scheme for searching the patent literature for sustainable technologies, and in particular climate change mitigating technologies (CCMT). Unfortunately, by several measures, the patent data shows a worrying decline in activity since 2012 everywhere except in China.

Patents are important for underpinning investment in technology, and CCMT and environmentally beneficial technologies are no exception. The European Commission has announced a €10 billion innovation fund for demonstration of innovative low-carbon and carbon capture technologies, with the first call for proposals to be in 2020. It will take time for this to flow through to inventions that will show up in the data.

The challenges of climate change will require innovative solutions. So far the patent filing data does not seem to indicate that industry is rising to this challenge. This presentation will set out the data and test this hypothesis.



Biography:

Dr John Parkin has a background in Physics and Chemistry. He joined Maucher Jenkins in 2017 as a patent attorney. Maucher Jenkins have a number of clients in the field of Green Energy and are interested in the value of patent protection for investment in the field of Green Energy.



Speaker Publications:

1. J.D. Parkin, R. Chisholm, A.B. Frost, R.G. Bailey (2018) Direct Organocatalytic Enantioselective Functionalization of SiO_x Surfaces. *Angewandte Chemie International Edition* 57: 9377-9381.
2. R. Chisholm, J.D. Parkin, A.D. Smith and G. Hähner (2016) Isothiourea mediated organocatalytic Michael addition lactonisation on a surface: modification of SAMs on silicon oxide substrates. *Langmuir* 32: 3130-3138.
3. J.D. Parkin and G. Hähner, Beilstein J. Nanotechnol (2016) Contact-free experimental determination of the static flexural spring constants of cantilever sensors using a microfluidic force tool. 7: 492-500.
4. J.D. Parkin and G. Hähner (2014) Calibration of the torsional and lateral spring constants of cantilever sensors', *Nanotechnology* 25: 225701.

[8th World Congress and Expo on Green Energy](#) London UK June 15-16, 2020

Abstract Citation:

John Parkin, Climate Change Mitigating Technology - Patent Trends, Maucher Jenkins, London, UK, Green Energy 2020, 8th World Congress and Expo on Green Energy London UK June 15-16, 2020.

<https://greenenergy.environmentalconferences.org/speaker/john-parkin-maucher-jenkins-london-uk>