

APPLICATIONS – CLIENT MURRAY (#2108)

European Patent Application No. 09842832.9 – (MURRAY), 10 October 2011,  
Corresponding to PCT/US2009/041806 – based on US Prov. No. 61/164,624  
Capturing & Storing Excess Co2 by Seeding Melt Water Lakes from ...  
Our Ref.: P09727EP00/DEJ - Our C/M Code: 2108LT-1011

Canada Patent Application No. [new] – (MURRAY) September 30, 2011 filed  
Corresponding to PCT/US2009/041806 – based on US Prov. No. 61/164,624  
Capturing & Storing Excess Co2 by Seeding Melt Water Lakes from ...  
Our Ref.: P09727CA00/DEJ - Our C/M Code: 2108LT-1012

**FAMILY: P09629** (per S&H reference)

**P09629US00**

U.S. Provisional Patent Application No. 61/116,102 – Filed: 11/19/2008.

Title: “Captured CO2 From Atmospheric, Industrial and Vehicle Combustion Waste”.

Status: expired - after one year, served as priority application for the following PCT application.

Comment: this provisional application serves as a base priority document (establishing the basic invention filing date) for the other applications in this family.

Further Action: none.

**P09629WO00**

INTERNATIONAL PCT Patent Application No. PCT/US09/45932 – Filed: 6/2/2009.

Title: “Carbon Dioxide Control Device to Capture Carbon Dioxide from Vehicle Combustion Waste”.

Comment: permitted to expire with no further action, in favor of the following PCT application.

Status: expired - 30 months after priority provisional application.

Further Action. none.

**P09629WO01**

INTERNATIONAL PCT Patent Application No. PCT/US09/65114 – Filed: 11/19/2009.

Title: “Carbon Dioxide Control Device to Capture Carbon Dioxide from Vehicle Combustion Waste”.

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Comment: this application was filed to supplement the above PCT application, as it includes the same subject matter and additional subject matter.

Status: expired - 30 months after priority provisional application (same as above PCT application, since it claims the same priority).

Further Action. None

### P09629US01

U.S. Non-Provisional (or “regular” utility) Patent Application No. 12/668,556 – Filed: 1/11/2010.

Title: “Captured CO2 From Atmospheric, Industrial and Vehicle Combustion Waste”.

Comment: this application is a “national stage” of (second) PCT application No. PCT/US09/65114 (above).

Claims: directed to a flow through apparatus for engine exhaust with a replaceable filter cartridge.

Status: patent **issued** March 29, 2011 as No. 7,914,758.

Further Action: maintenance fee due between 9/29/2014 and 3/29/2015 (~\$800-1000)

### P09629US02

U.S. Non-Provisional (or “regular” utility) Patent Application No. 13/073,175 – Filed: March 28, 2011.

Title: “Captured CO2 From Atmospheric, Industrial and Vehicle Combustion Waste”

Comment: this application is a “continuation” of the first US application (above).

Claiming: a flow through apparatus for flue gas with CO2 absorbing filter and spray system including a reservoir or converting CO2 to volcanic ash.

Status: pending application – first examiner action expected in about 12 months (so probably 8-20 months).

Further Action: nothing, until examiner action is mailed.

### P09629US03

U.S. Non-Provisional (or “regular” utility) Patent Application No.: 13/075,438 – Filed: March 30, 2011.

Title: “Captured CO2 From Atmospheric, Industrial and Vehicle Combustion Waste”

Comment: this application is a “continuation” of the first and second US applications (above).

Claiming: vertical flow through apparatus for ambient air with CO2 absorbing member and liquid delivery system including a reservoir or using waves for operation.

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Status: pending application – first examiner action expected in about 12 months (so probably 8-20 months).

Further Action: nothing, until examiner action is mailed.

### P09629CN00

CHINA Non-Provisional (or “regular” utility) Patent Application No.: 200980154574.1 – Filed July 13, 2011 (but given the PCT filing date of November 19, 2009 for official purposes).

Title: “Captured CO2 From Atmospheric, Industrial and Vehicle Combustion Waste”

Comment: this application is a “national stage” of (second) PCT application No. PCT/US09/65114 (above).

Claiming: a flow through apparatus with a CO2 absorbing member broadly; and with dependent claims including the roadway embodiment and the liquid delivery system embodiment.

Status: pending application – first examiner action expected in about 24-36 months.

Further Action: nothing, until examiner action is mailed.

### P09629EP00

EUROPEAN Non-Provisional (or “regular” utility) Patent Application No.: 09828209.8 – Filed May 19, 2011 (but given the PCT filing date of November 19, 2009 for official purposes).

Title: “Captured CO2 From Atmospheric, Industrial and Vehicle Combustion Waste”

Comment: this application is (also) a “national stage” of (second) PCT application No. PCT/US09/65114 (above).

Claiming: a flow through apparatus with a CO2 absorbing member broadly; and with dependent claims including the roadway embodiment and the liquid delivery system embodiment. [The same claims as the China application above.]

Status: pending application – first examiner action expected in about 36-48 months.

Further Action: minor response (that you wish to proceed with the EP application – a formality) is due by 1/11/2012. Annuity will be due by 5/19/2012 and every year thereafter. No substantive action will be required until an examiner action is mailed in about 36-48 months.

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**FAMILY: P09727** (per S&H reference)

**P09727US00**

U.S. Provisional No.: 61/164,624 – Filed: 3/30/2009

Title: “Capturing and Storing Excess CO2 by Seeding Melt Water Lakes from Glacial Masses with Metal Hydroxides”

Status: expired - after one year; served as priority application for the following PCT application.

Comment: this provisional application served as a base priority document (establishing the basic invention filing date) for the following PCT application in this family.

Further Action: none.

**P09727WO00**

INTERNATIONAL PCT Application No. PCT/US09/41806 – Filed: 4/27/2009

Title: “Method of “Capturing and Storing Excess CO2 by Seeding Melt Water Lakes from Glacial Masses with Metal Hydroxides”

Status: MURRAY et al - PCT Appln. No.: PCT/US2009/041806

Based on U.S. Provisional Appln. No.: 61/164,624

*Method Of Capturing And Storing Excess Co2 By Seeding Melt ...*

Our Ref.: P09727WO00/WEJ – Our C/M Code: 2108LT-1002