

Title (en)
COLLECTION OF PARTICULATES

Title (de)
SAMMELN VON TEILCHEN

Title (fr)
COLLECTE DE PARTICULES

Publication
EP 2139583 A1 20100106 (EN)

Application
EP 08750456 A 20080422

Priority
• FI 2008050213 W 20080422
• FI 20070319 A 20070423

Abstract (en)
[origin: WO2008129136A1] The arrangement of the invention for collecting particulates (7) having the size of less than 1000nm, specifically less than 100nm, from a gas flow containing water vapour (8) comprises a collection apparatus including a collection surface (13), the collection surface being arranged in conjunction with the gas flow. According to the invention, the collection apparatus comprises heat adjusting means (14, 19) for adjusting the temperature of the collection surface (13) below the dew point temperature of the gas flow in order to condense the water vapour (8) of the gas flow onto the collection surface and carry the particulates (7) onto the collection surface along with the water vapour drifting thereto.

IPC 8 full level
B01D 47/05 (2006.01)

CPC (source: EP FI)
B01D 47/05 (2013.01 - EP FI); **B82Y 30/00** (2013.01 - EP); **B01D 2221/02** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008129136 A1 20081030; EP 2139583 A1 20100106; EP 2139583 A4 20120321; FI 119587 B 20090115; FI 20070319 A0 20070423; FI 20070319 A 20081024

DOCDB simple family (application)
FI 2008050213 W 20080422; EP 08750456 A 20080422; FI 20070319 A 20070423