

Title (en)

METHOD AND ARRANGEMENT FOR INCREASING THE CONCENTRATION OF NEGATIVE IONS IN A CLOSED SPACE

Title (de)

VERFAHREN UND ANORDNUNG ZUR ERHÖHUNG DER KONZENTRATION VON NEGATIV-IONEN IN EINEM GESCHLOSSENEN RAUM

Title (fr)

PROCÉDÉ ET AGENCEMENT DESTINÉS À AUGMENTER LA CONCENTRATION D'IONS NÉGATIFS DANS UN LOCAL CLOS

Publication

**EP 2596556 B1 20150401 (DE)**

Application

**EP 10771378 A 20101008**

Priority

EP 2010065099 W 20101008

Abstract (en)

[origin: WO2012045367A1] The invention relates to an arrangement for increasing the concentration of negative ions in the breathing air of a closed space. In order to make possible a more uniform distribution of the negative ion concentration inside the space without exceeding the permissible limits for ozone in the breathing air, the invention proposes that - at least one conductor pair is arranged in the closed space, - the conductor pair has a first non-insulated conductor, which is switched as the anode, and a second non-insulated conductor, which is switched as the cathode, with the first and second conductors being arranged mutually parallel at a distance, - a voltage source with an output voltage of between 5 kV - 10 kV is connected to the first and second conductors and - the distance between the first and the second conductor is between 10 - 30 mm.

IPC 8 full level

**H01T 23/00** (2006.01); **A61N 1/44** (2006.01)

CPC (source: EP)

**H01T 23/00** (2013.01)

Citation (examination)

US 4812711 A 19890314 - TOEROEK VILMOS [SE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012045367 A1 20120412**; EP 2596556 A1 20130529; EP 2596556 B1 20150401

DOCDB simple family (application)

**EP 2010065099 W 20101008**; EP 10771378 A 20101008