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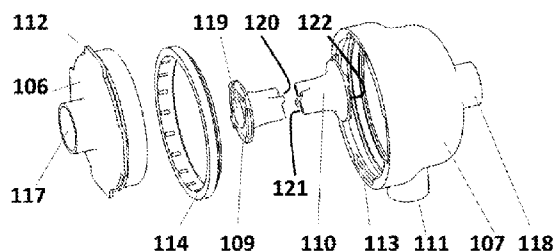


FIG 8B

(57) **Abstract:** An aerosol concentrator dividing an input aerosol into a respirable aerosol of an increased particle concentration and an exhaust aerosol of a lower particle concentration. The concentrator comprises a cross-slit of an input tube and output tube with a gap between the cross-slits of input tube and the output tube. A housing encompasses a plenum which encompasses the gap and is connected to an exhaust port through which an exhaust aerosol exits the plenum.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER**A61M 16/10**(2006.01)i; **A61M 16/00**(2006.01)i; **A61M 16/20**(2006.01)i; **A61M 16/08**(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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B01D 45/08(2006.01); B07B 7/00(2006.01); B65D 83/06(2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: aerosol, concentrator, divide, input, ouput, exhaust, cross-slit, velocity, momentum, concentration

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2019-0160232 A1 (KAER BIOTHERAPEUTICS CORPORATION) 30 May 2019 (2019-05-30) paragraph [0084]; figures 2A-2C, 5A-5D	1-25
A	JP 2013-543392 A (YEATES, D. B. et al.) 05 December 2013 (2013-12-05) paragraphs [0098]-[0108]; figures 6A-7E	1-25
A	US 4767524 A (YEH, H. -C. et al.) 30 August 1988 (1988-08-30) claim 1; figure 2	1-25
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A	US 5425802 A (BURTON, R. M. et al.) 20 June 1995 (1995-06-20) columns 5, 6; figures 3, 4	1-25



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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