

Title (en)
IMPACTOR

Title (de)
IMPINGER

Title (fr)
IMPACTEUR

Publication
EP 1320740 A1 20030625 (EN)

Application
EP 01967366 A 20010907

Priority
• FI 0100778 W 20010907
• FI 20001992 A 20000908

Abstract (en)
[origin: WO0221104A1] The invention relates to an impactor (20) comprising one or more successive stages (4; 3; 2; 1), each stage (4; 3; 2; 1) comprising at least a nozzle part (24a; 23a; 22a; 21a), a collection substrate (24b; 23b; 22b; 21b) arranged behind said nozzle part in the direction of a gas flow (21), and a collecting film (24c; 23c; 22c; 21c) arranged on top of said collection substrate in the flow direction, onto which collecting film (24c; 23c; 22c; 21c) are deposited, in a size selective manner, aerosol particles contained in the gas flow (21) passing through the impactor (20). According to the invention, the surface of said nozzle part (24a; 23a; 22a; 21a) facing the next collection substrate (24b; 23b; 22b; 21b) in the flow direction comprises one or more protruding squeeze means (24d; 23d; 22d; 21d; 24e; 23e; 22e; 21e) to keep the collecting film (24c; 23c; 22c; 21c) in its place on the collection substrate (24b; 23b; 22b; 21b).

IPC 1-7
G01N 15/02

IPC 8 full level
B07B 7/04 (2006.01); **G01N 1/22** (2006.01)

CPC (source: EP)
B07B 7/04 (2013.01); **G01N 1/2208** (2013.01); **G01N 2001/2223** (2013.01)

Citation (search report)
See references of WO 0221104A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0221104 A1 20020314; AU 8775401 A 20020322; EP 1320740 A1 20030625; FI 113407 B 20040415; FI 20001992 A0 20000908; FI 20001992 A 20020309

DOCDB simple family (application)
FI 0100778 W 20010907; AU 8775401 A 20010907; EP 01967366 A 20010907; FI 20001992 A 20000908