Claims

1. Air filter (10) for an air treatment system (12),

the air filter (10) having a filter structure (11) comprising an antiviral material (13),

the antiviral material (13) having particles comprising silver and in particular comprising a composition containing silver, and the antiviral material (13) also comprising liposomes, characterised in that the antiviral material (13) has particles comprising silver chloride and the liposomes are non-phospholipid vesicles.

2. Air filter (10) according to claim 1,

characterised by the filter structure (11) being impregnated with the antiviral material (13).

3. Air filter (10) according to any of the above claims,

characterised by the filter structure (11) comprising a porous material and/or a cellular material.

4. Air filter (10) according to any of the above claims,

characterised by the filter structure (11) comprising a fire-retardent material, in particular a fire-retardent impregnation.

5. Air filter (10) according to any of the above claims,

characterised in that the particles comprise a reaction mass of silver chloride and titanium.

6. Air treatment system (12), in particular air conditioning system or HVAC system, of a rail vehicle (15), comprising an air filter (10) according to any of the above claims.

7. Use of an air filter (10) according to claims 1 to 5 in an air treatment system (12) of a rail vehicle (15), in particular in an air conditioning system or HVAC system of a rail vehicle (15).

8. Method for producing an air filter (10), comprising:

- providing a filter structure (11);
- exposing the filter structure (11) to an antiviral material (13) having particles comprising silver, in particular a composition containing silver, and the antiviral material (13) comprising liposomes, characterised in that the antiviral material (13) has particles comprising silver chloride and the liposomes are non-phospholipid vesicles.