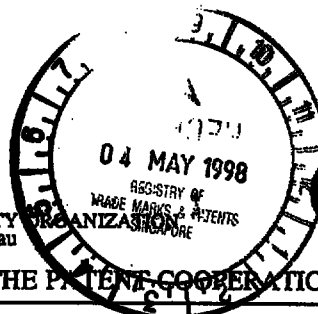


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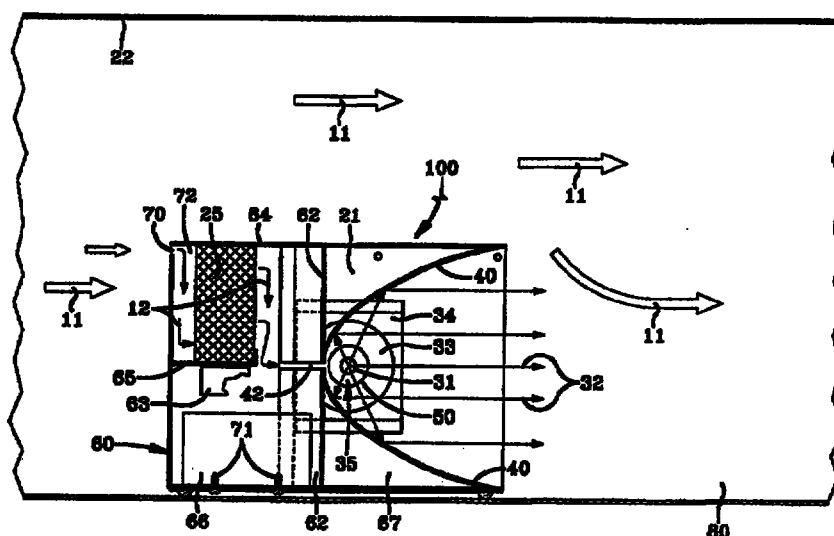
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(54) Title: METHOD AND APPARATUS FOR KILLING MICROORGANISMS



(57) Abstract

A method and apparatus (10, 100) for killing microorganisms in a fluid medium (11) are disclosed. This method has the steps of providing a germicidal radiation for killing microorganisms (30) and reflector (40) for transferring and orienting of the germicidal radiation for killing microorganisms (30); providing a secondary flow (12) of a substantially particle free fluid; the secondary flow (12) is running along the reflectors (40) and establishing a substantially particulate free barrier environment maintaining clean the reflectors (40); orienting an emission of the germicidal radiation in a parallel array of beams (32), and passing the fluid medium (11) along a path aligned with the parallel array of beams (32). The apparatus arranged so that the maximum efficiency of use of germicidal energy achieved, energy consumption for sterilization will decrease, reliability and period between maintenance will increase.