

The invention relates to removal of harmful vapors from air flow and gases, first of all from the substances with unpleasant smell and it can be used at industrial or economic enterprises, which emit to the atmosphere the airflows contaminated by substances, which produce unpleasant smell. A method of cleaning gases consists of filtration of the air flow, that is contaminated by harmful substances, through the layer of biomaterial. The peat is used as the biomaterial, which prior to use as absorber of harmful substances is crushed to the uniform mass, which has the bulk density, not large than 700 kg/m^3 ($500\text{-}550 \text{ kg/m}^3$ is preferably) at humidity of 40-65% (65% is preferably). Peat is distributed in the flowing adsorber into layers, which alternate with empty spaces, and at its long-term usage, when required, it is moistened to the initial state. The invention provides for increase of the time of effective usage of one and the same mass of peat by retention of high level of cleaning.