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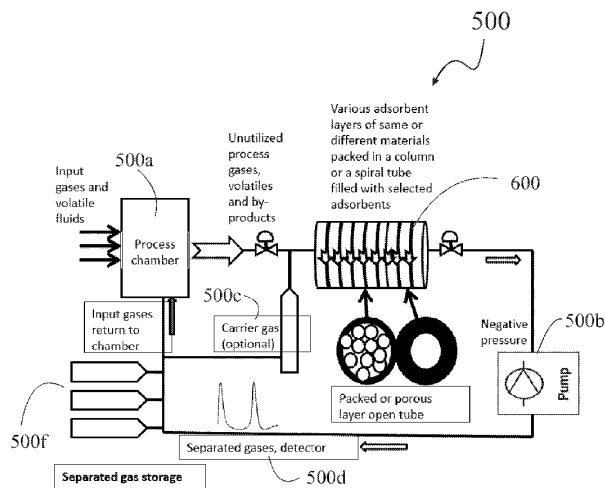


FIGURE 3

(57) Abstract: The present invention discloses a filtering cartridge for storage and separation of gases from chamber emissions. The invention further discloses a method to separate the waste streams of gases from the effluents on the basis of physical properties such as polarity, thermal stability, molecular weight, molecular size and others. The toxic components from the effluent are safely stored and recycled, and high-pressure storage of gases is avoided and they are stored at or below atmospheric pressure.

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