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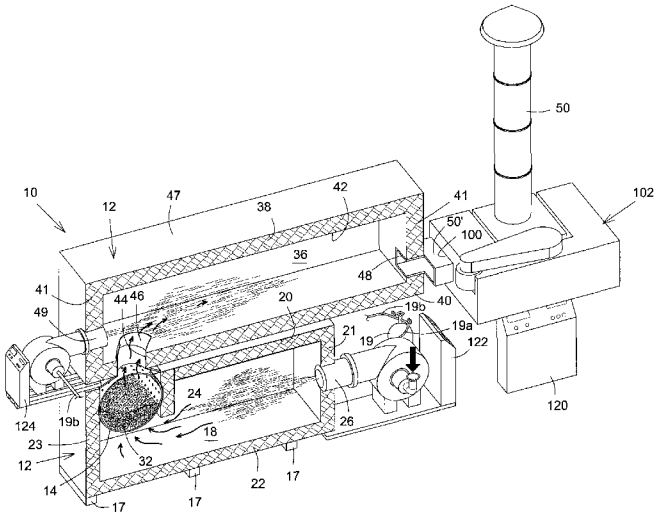
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(54) **Title:** APPARATUS FOR DESTRUCTION OF ORGANIC POLLUTANTS



(57) **Abstract:** Traditionally persistent organic pollutants were disposed of in landfills or destructed thus releasing harmful breakdown products into the atmosphere, the soil or the water table A mobile destruction apparatus (10) for use with oil contaminated with a toxic organic pollutant material is provided including a housing (12), which defines a first heating combustion chamber (18) for heating the oil to generate a toxic fluid using a first burner (26) connected thereto The apparatus (10) includes a rotating transition cylinder (14) that defines a drying chamber (30), which is in fluid communication with the combustion chamber (18) to receive the toxic fluid The cylinder (14) includes an amount of a desiccant material (32) to dry the toxic fluid A second heating destruction chamber (36) is provided downstream of the cylinder (14) to heat the toxic fluid to substantially convert it and destroy it into an inert fluid, which exhausts from the apparatus (10) A method of destructmg toxic contaminants from contaminated oils is also described.

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