

METHOD AND APPARATUS FOR TREATING OIL WASTE

ABSTRACT

An oil waste material, for example, petroleum sludge, waste oil, or the like is contacted with a combustion gas of from 1000 to 2000 °C that is obtained by complete combustion thereof and that is supplied from a jet burner 5, thereby performing gasifying treatment thereof (jet treating portion a). The gasification treated oil waste material is held at a temperature of from 300 to 500°C to be physically separated into a gaseous mass portion and a solid matter portion (gravity settler 7, cyclone 10). This gaseous mass portion is cooled down to liquefy an oil portion and a water portion therein for recovery thereof (condensers 13, 13'). Thus, the oil component, water component and solid matter component are separated with high efficiency from the oil waste material without combusting it and without causing generation of any smoke or odor and in a short time and at a low cost. (Fig 1)

Fig. 1 to accompany abstract when published