

- [54] **PROCESS OF TREATING EFFLUENT FROM A PULP OR PAPERMAKING OPERATION**
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- [\*] **Notice:** The portion of the term of this patent subsequent to Nov. 19, 2002 has been disclaimed.
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- [58] **Field of Search** ..... 210/611, 928, 615-619, 210/631, 908, 909, 917; 162/29, 189; 435/262, 267, 911

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[57] **ABSTRACT**

A process of treating effluent from a pulp or paper-making operation to decolorize the effluent is provided in which a white-rot fungus is germinated and grown and is then induced into a secondary metabolic state. The white-rot fungus is then immersed in the effluent where the fungus' active ligninolytic system decolorizes the effluent. The rate of fungal activity and the active lifetime of the fungus is increased by the addition to the effluent of at least one member of the class consisting of nutrient nitrogen, nutrient minerals, and a detergent.

**11 Claims, 5 Drawing Figures**

