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Whiteman

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(54) **SYSTEMS AND METHODS FOR REDUCING
SLUDGES PRODUCED BY WASTEWATER
TREATMENT FACILITIES**

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patent is extended or adjusted under 35
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(58) **Field of Classification Search**
CPC **C02F 3/00**
See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to methods and systems of improving
sludge removal and maintaining effluent quality. The meth-
ods include directing an incoming wastewater stream to a
treatment facility, the stream having a flow of at least 20,000
gallons per day; the incoming wastewater stream having at
least 50 mg/L solids and 100 mg/L BOD; removing solids and
BOD from the incoming wastewater stream in the treatment
facility to provide a final effluent stream; the final effluent
stream having less than 10% of the solids of the wastewater
stream and less than 10% of the BOD of the wastewater
stream; the removal of solids and BOD yielding less than
about 0.25 pounds of secondary sludge per pound of BOD
removed.

46 Claims, 3 Drawing Sheets

Treatment Process

