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(54) **METHOD AND SYSTEMS FOR ENHANCING OIL RECOVERY FROM ETHANOL PRODUCTION BYPRODUCTS**

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(57) **ABSTRACT**

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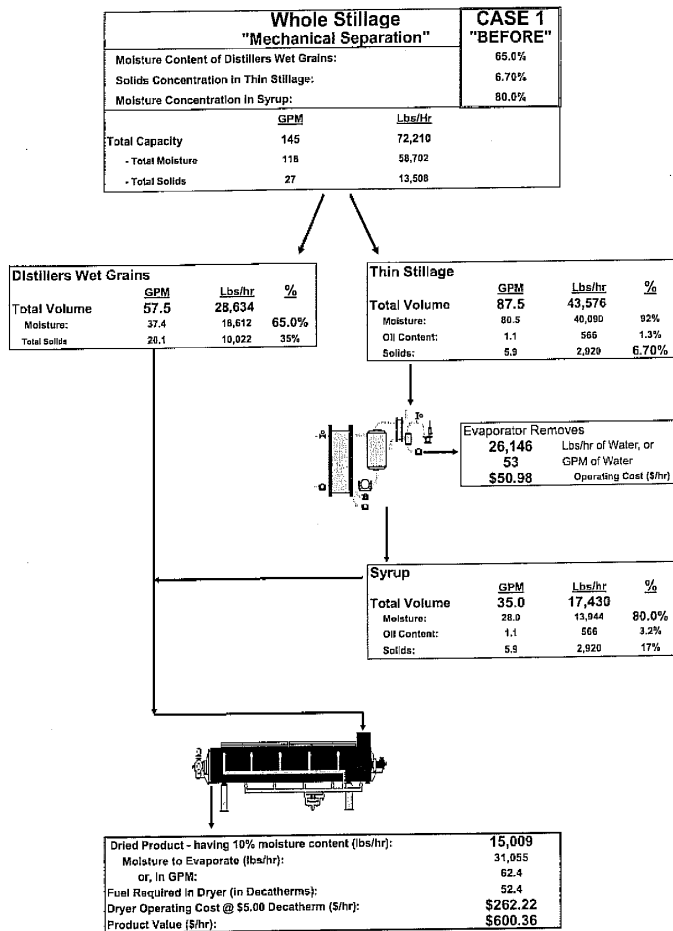
In one aspect of the invention, a method and related system efficiently and effectively recover a significant amount of valuable, useable oil from byproducts formed during a dry milling process used for producing ethanol. The method may include forming a concentrate from the byproduct and recovering oil from the concentrate. The step of forming the concentrate may comprise evaporating the byproduct using a multi-stage evaporator, as well as recovering the oil before the final stage of the evaporator. Further, the step of recovering oil from the concentrate may comprise using a centrifuge and, in particular, a disk stack centrifuge. Other aspects of the invention include related methods and subsystems for recovering oil.

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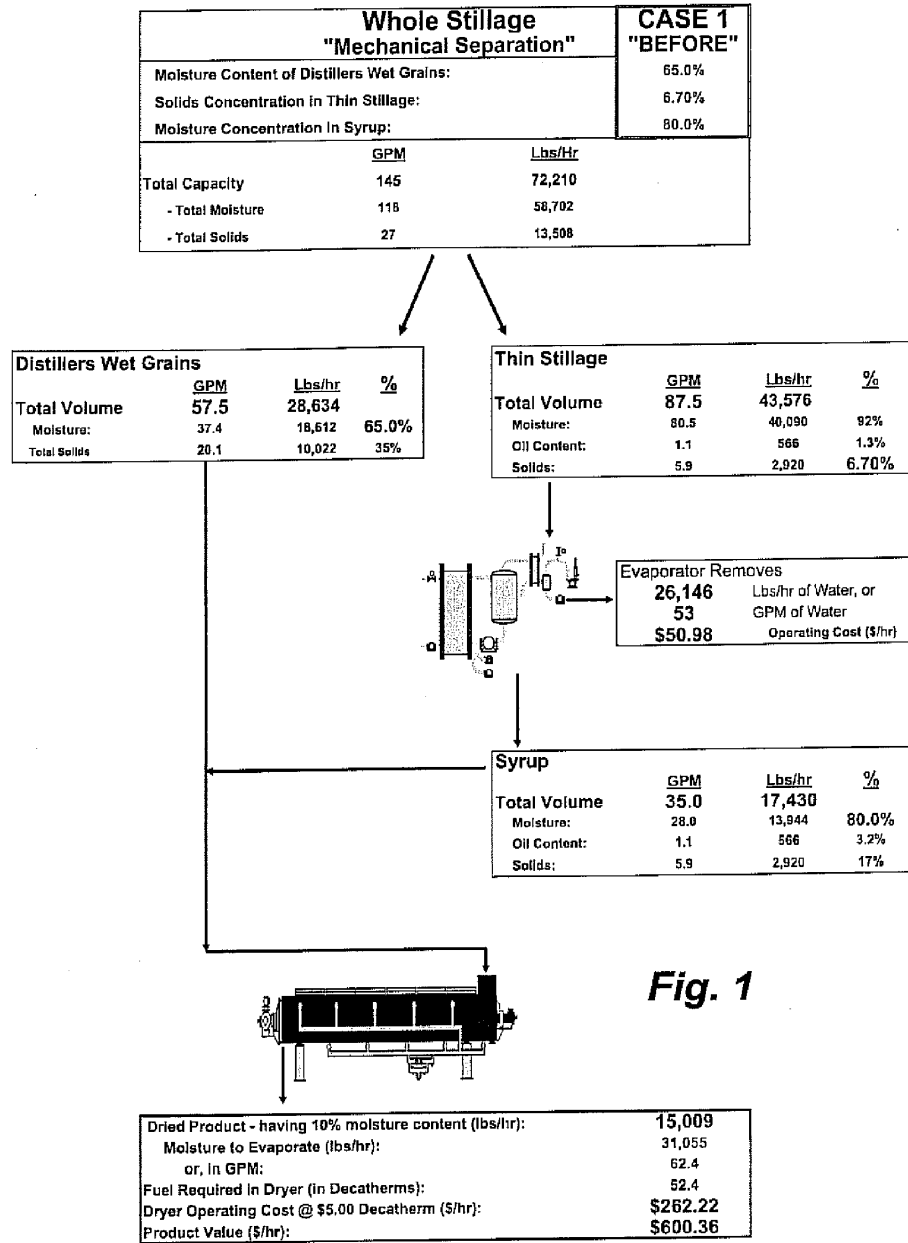


Fig. 1

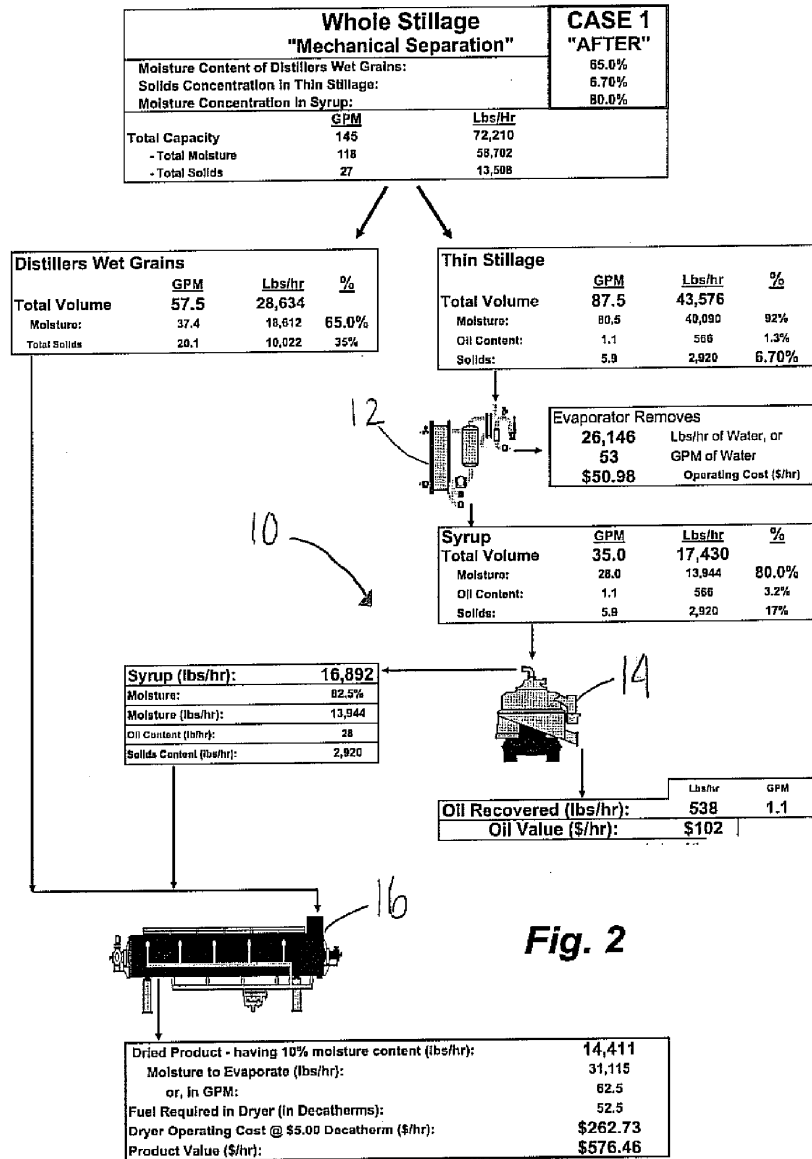


Fig. 2

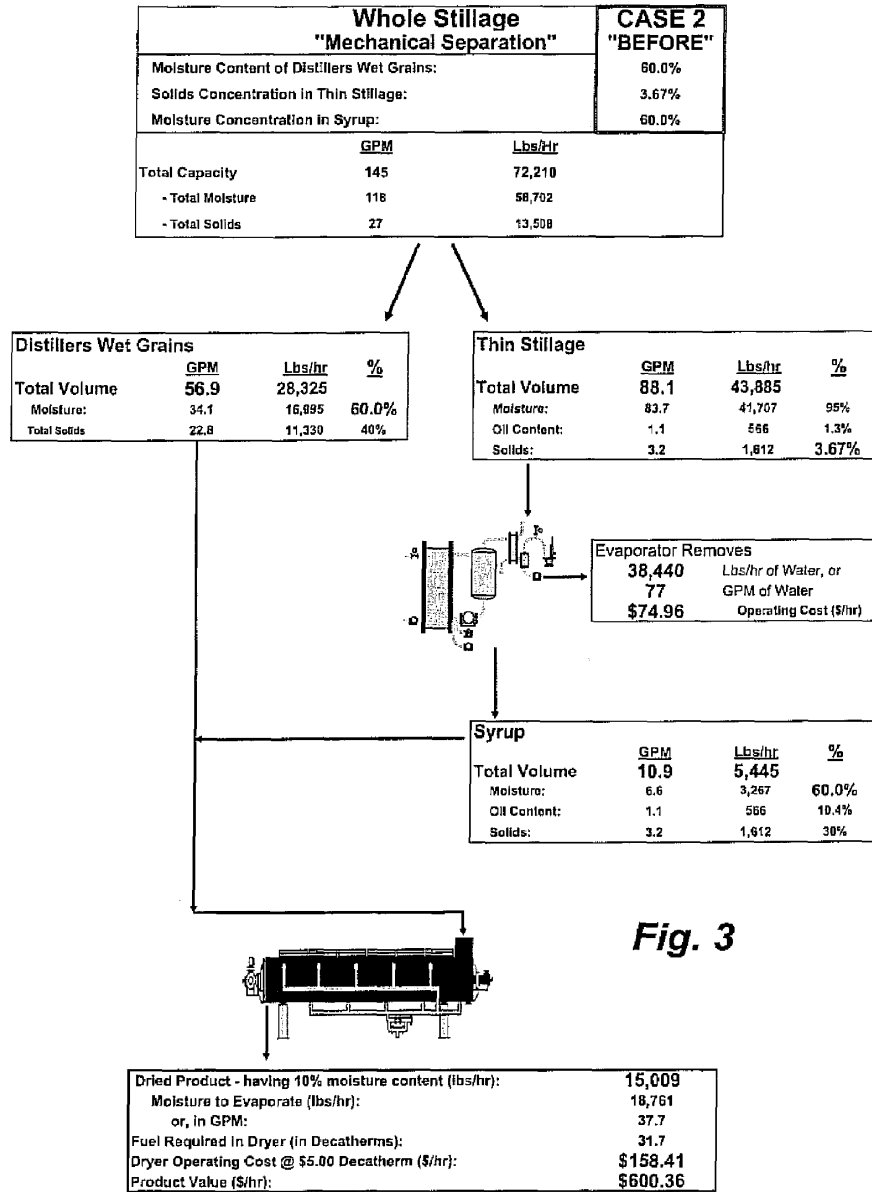


Fig. 3

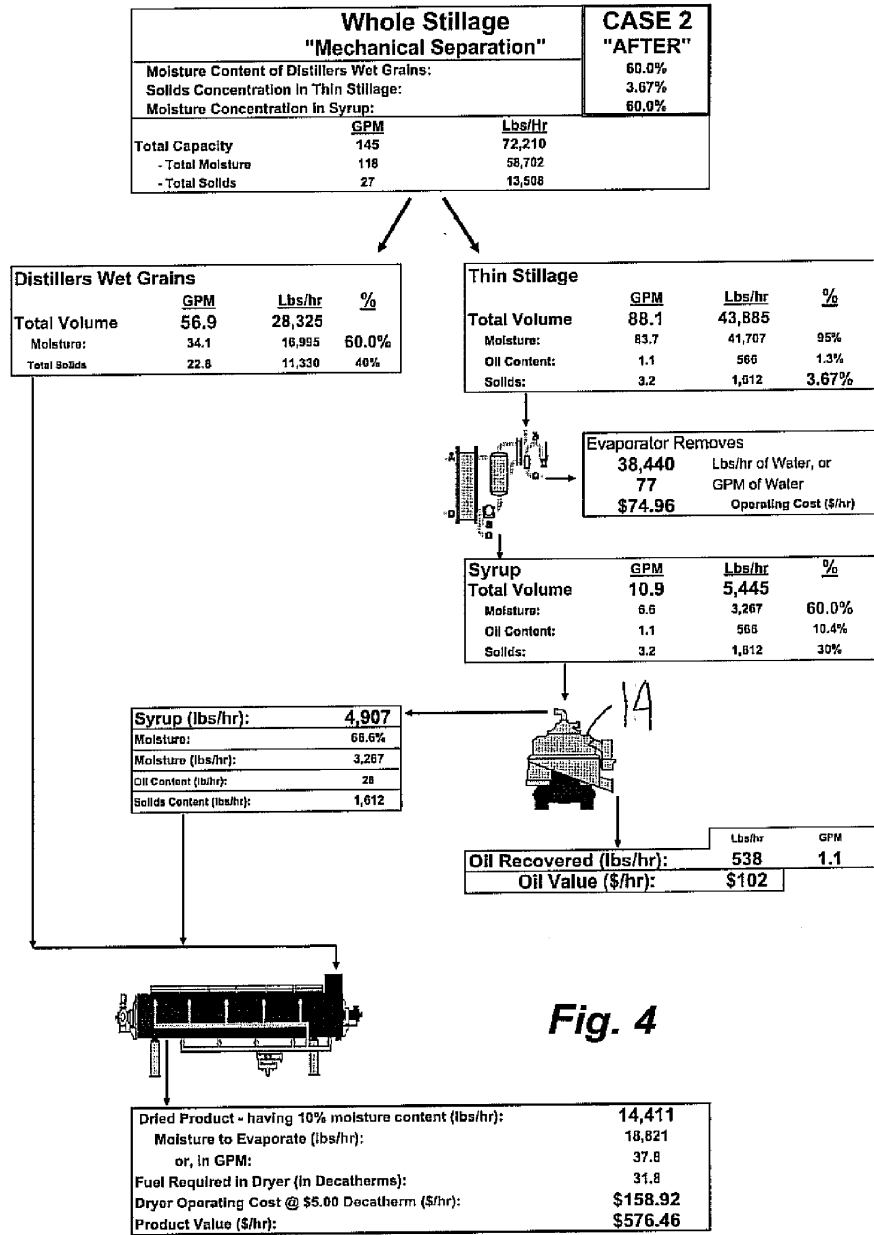


Fig. 4

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