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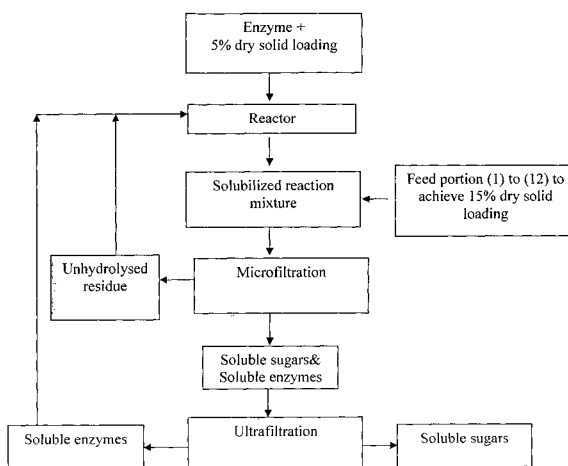
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(54) **Title:** A PROCESS FOR PRODUCTION OF SOLUBLE SUGARS FROM BIOMASS

FIGURE 1



(57) **Abstract:** The present invention provides a process for enzyme mediated hydrolysis of biomass for production of soluble sugars, wherein the said process comprises of steady addition of small portions of biomass to enzyme solution, enabling rapid solubilization of biomass. The process used for enzymatic saccharification allows for increased biomass loading, enzyme recycle and mitigation of substrate and product inhibitory effect. The recycling of unhydrolysed biomass along with soluble enzyme ensures complete reuse of the said enzyme for effective repeated hydrolysis thereby increasing the overall productivity of enzyme used.