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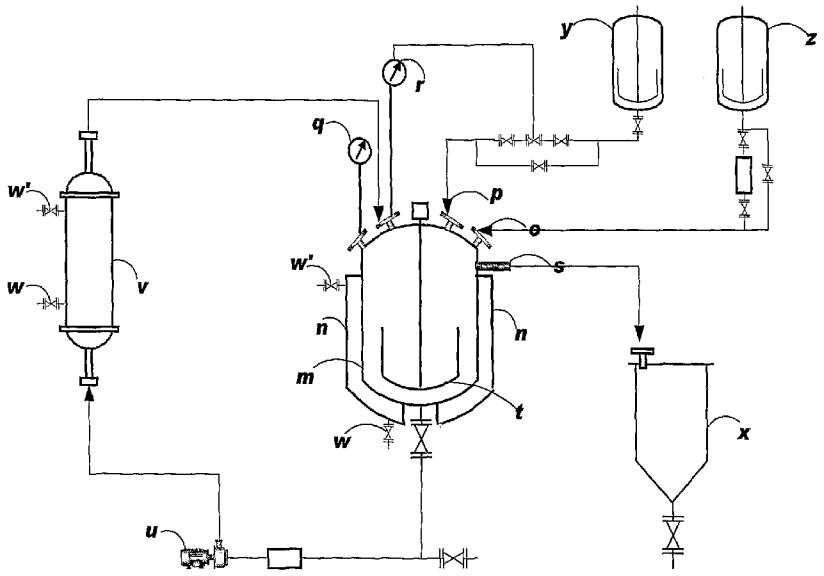
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(54) **Title:** CONTINUOUS NEUTRALIZER MIXER REACTOR AND A CONTINUOUS PROCESS FOR QUENCHING CHLORINATION REACTION MIXTURE IN PRODUCTION OF CHLORINATED SUCROSE



(57) **Abstract:** An improved process of production of a chlorinated sugar is described comprising chlorination of a partially protected sugar, wherein quenching as well as neutralization of chlorinated reaction mass is carried out concurrently and continuously in a reactor which is a continuous mixer as well as quencher providing continuous mixing of chlorination reaction mixture and pH adjusting solution and also provides for continuous quenching and continuous removal of quenched chlorinated reaction mixture.

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