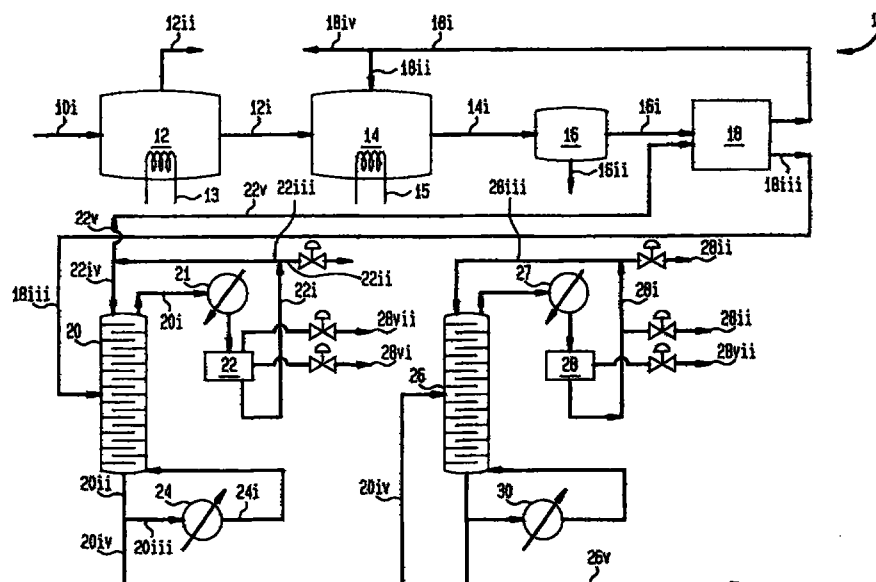




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(54) Title: METHODS AND DEVICES FOR REMOVING ACETIC ACID FROM CYCLOHEXANE IN THE PRODUCTION OF ADIPIC ACID

**(57) Abstract**

This invention relates to methods and devices for removing acetic acid from cyclohexane in the direct oxidation of cyclohexane to adipic acid, especially after recycling catalyst which is precipitated by introduction of additional cyclohexane. The removal of acetic acid is preferably conducted by use of rather small amounts of wash-water in one to three stage extractors. A two stage reactor is preferable as being more efficient.