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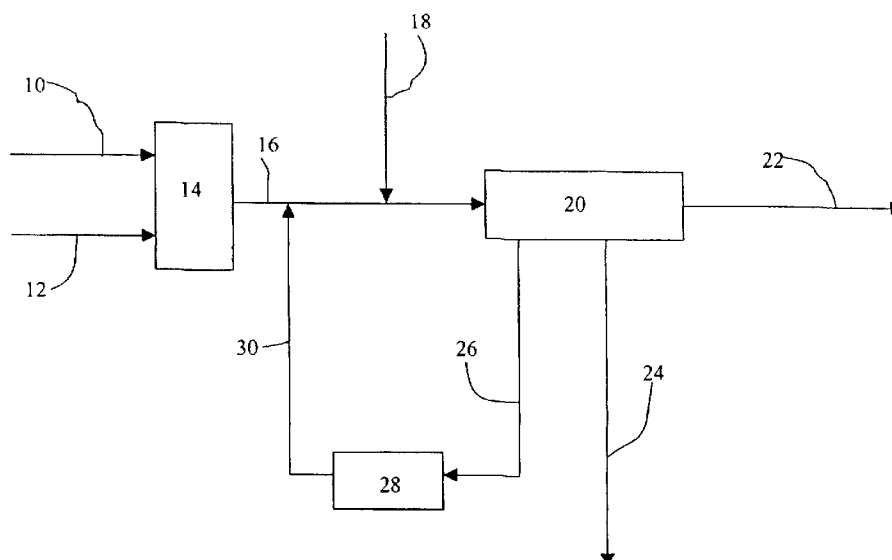
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(54) Title: SYSTEM AND METHOD FOR PURIFYING CUMENE HYDROPEROXIDE CLEAVAGE PRODUCTS



(57) Abstract: A system for purifying a cumene hydroperoxide cleavage product mixture comprises a cumene hydroperoxide cleavage product mixture feed (16) containing impurities in fluid communication with an aqueous alkaline solution feed (18); the cumene hydroperoxide cleavage product mixture (16) and aqueous alkaline solution feeds (18) are in fluid communication with a neutralization drum (20) having an aqueous salt phase outlet (24); an aqueous salt phase feed (26) containing impurities in fluid communication with a heat treatment vessel (28) having a heat-treated aqueous salt phase outlet; and a heat-treated aqueous salt phase feed (30) containing water-soluble derivatives of the impurities in fluid communication with the cumene hydroperoxide cleavage product mixture (16) prior to the neutralization drum (20).



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