

Title (en)
SYSTEM NETWORK AND METHOD FOR OPERATING A SYSTEM NETWORK OF THIS TYPE FOR PRODUCING HIGHER ALCOHOLS

Title (de)
ANLAGENVERBUND SOWIE VERFAHREN ZUM BETRIEB EINES SOLCHEN ANLAGENVERBUNDES ZUR HERSTELLUNG HÖHERER ALKOHOLE

Title (fr)
RÉSEAU DE SYSTÈMES ET PROCÉDÉ POUR L'EXPLOITATION D'UN RÉSEAU DE SYSTÈMES DE CE TYPE POUR LA PRODUCTION D'ALCOOLS SUPÉRIEURS

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Abstract (en)
[origin: WO2022008229A1] The invention relates to a system network (1) comprising a unit producing CO₂-containing gases C, a gas-guiding system for CO₂-containing gases C and a gas/liquid separation system (6), wherein the system network (1) has a reformer (4) connected to the gas-guiding system, in which the CO₂-containing gas C reacts with H₂ H and/or hydrocarbons to form a CO- and H₂-containing syngas mixture, wherein the reformer (4) is connected to a reactor for producing higher alcohols (5), in which the syngas mixture reacts with H₂ H to form a gas/liquid mixture containing higher alcohols, and wherein the gas/liquid separation system (6) for separating the alcohols of the gas/liquid mixture is connected to the reactor for producing higher alcohols (5).

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