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(54) Title: PROCESSES FOR CATALYTIC CONVERSION OF C₁-C₅ ALCOHOLS TO C₂-C₅ OLEFIN MIXTURES

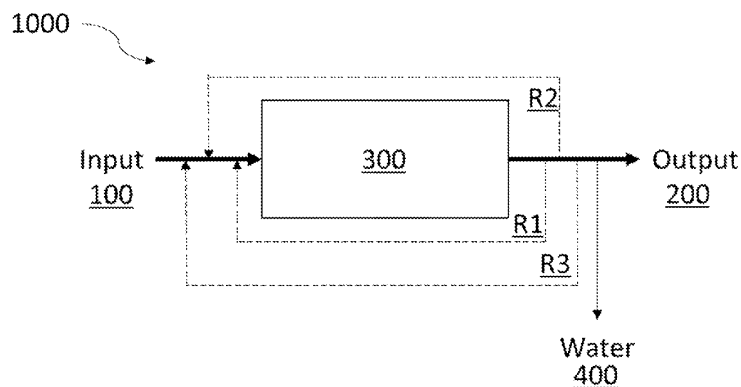


FIG. 1

(57) Abstract: Processes for converting one or more C₁-C₅ linear or branched alcohols to one or more C₂-C₅ olefins are provided. In one exemplary embodiment, the process can be a single stage process for the direct conversion of C₁-C₅ alcohols to olefinic mixtures (e.g., C₂-C₅) carried out in a reactor using a catalyst that includes zeolite doped with boron and phosphor. Systems for carrying out these processes are also provided.

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