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(54) Title: CATALYST SUITABLE FOR THE PREPARATION OF HYDROGEN AND CARBON MONOXIDE FROM A HYDRO- CARBONACEOUS FEEDSTOCK (57) Abstract A catalyst comprising a catalytically active metal, selected from Ru, Rh, Os and Ir, associated with at least one inorganic metal cation or precursor thereof, wherein the inorganic metal cation or precursor thereof is present in intimate association supported on or with the catalytically active metal, a process for the preparation of the catalyst, and a process for the preparation of carbon monoxide and/or hydrogen from a hydrocarbonaceous feedstock using the catalyst.		