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(54) Title: DIENE REMOVAL FROM AN OLEFIN FEEDSTOCK

(57) Abstract: A method for purifying an olefin stream comprising: providing an olefin feedstock wherein said olefins have an average molecular chain length of from 8 to 36 carbon atoms, said olefin feedstock comprising a quantity of dienes; contacting said olefin feedstock with a hydrogenation catalyst that is sensitive to diene poisoning and a gas feed comprising hydrogen at a feedstock flow rate and under conditions effective to convert a majority of said dienes to olefins.