LIST OF PATENTS BASED ON THE WORK REPORTED IN THE THESIS

A) US Patent Granted

   V.R. Choudhary, S.D. Sansare, A.M. Rajput
   714/DEL/90, dt.13.7.1990

2. An improved process for the production of synthesis gas by oxidative conversion methane (or natural gas) using composite catalysts containing transitional and alkaline earth metal oxides.
   V.R. Choudhary, A.M. Rajput, S.D. Sansare, B. Prabhakar, A.S. Mamman
   653/DEL/91, dt.19.07.1991

3. An improved process for oxidative conversion of methane/natural gas to synthesis gas using composite catalysts.
   V.R. Choudhary, V.H. Rane, A.M. Rajput

   V.R. Choudhary, V.H. Rane, A.M. Rajput

(B) US/European/Indian Patent Applications Filed

1. A process for oxidative conversion of methane to C₂-hydrocarbons using rare earth metal promoted alkaline earth metal oxide as catalysts.
   V.R. Choudhary, S.T. Chaudhari, A.M. Rajput, V.H. Rane

2. An improved process for catalytic oxidative conversion of methane to C₂-hydrocarbons in presence of free oxygen.
   V.R. Choudhary, S.T. Chaudhari, A.M. Rajput, V.H. Rane

3. A process for conversion of natural gas to ethylene.
   V.R. Choudhary, S.T. Chaudhari, A.M. Rajput
   988/DEL/89, dt.27.10.1988.

4. A process for the conversion of ethane to ethylene.
   V.R. Choudhary, A.M. Rajput
   715/DEL/90 dt.13.7.1990
5. A process for preparation of rare earth metal promoted MgO catalysts useful for oxidative conversion of methane to higher hydrocarbons.
V.R. Choudhary, V.H. Rane, S.T. Chaudhari, A.M. Rajput
1180/DEL/90, dt. 27.11.1990

6. A process for preparation of composite catalysts containing rare earth and Calcium oxide useful for oxidative conversion of methane to higher hydrocarbons.
V.R. Choudhary, A.M. Rajput, V.H. Rane, S.T. Chaudhari
1270/DEL/90, dt. 18.12.1990

7. An improved process for oxidative conversion of methane to higher hydrocarbons using composite catalysts containing oxide of rare earth and calcium.
V.R. Choudhary, A.M. Rajput, V.H. Rane, S.T. Chaudhari
1271/DEL/90, dt. 18.12.1990

8. An improved process for oxidative conversion of methane to higher hydrocarbons using rare earth metal promoted MgO catalysts.
V.R. Choudhary, V.H. Rane, S.T. Chaudhari, A.M. Rajput
1268/DEL/90, dt. 18.12.1990

9. Novel composite catalysts containing transitional metal and alkaline earth metal oxides useful for oxidative conversion of methane (or natural gas) to carbon monoxide and hydrogen (synthesis gas)
V.R. Choudhary, A.M. Rajput, S.D. Sansare, B. Prabhakar, A.S. Mamman

V.R. Choudhary, V.H. Rane, A.M. Rajput

11. An improved process for oxidative conversion of methane/natural gas to synthesis gas using composite catalysts.
V.R. Choudhary, V.H. Rane, A.M. Rajput