patent

DEPARTMENTAL CORRESPONDENCE

PLAINTIFF'S EXHIBIT

CC-297

DATE April 29, 1969

SUBJECT Isobutane Cracker

TO H. A. Brown DEP'T

FROM B. A. Paulson DEP'T

Bill Casteel has made the suggestion that the possible source of carbon laydown in the Isobutane Cracking Unit is from the decomposition of methane to carbon and hydrogen. This will occur when the ratio of hydrogen to methane is in the range we have in our unit, and at the temperature and pressure we have.

We propose to add hydrogen to the furnace to maintain a higher ratio. It will require under one million ft^3/day to test this theory on one furnace. If this works, it would be an entirely new approach to the isobutane working and should be patentable.

We will keep our efforts confidential and should be ready to make a trial by April 30th.

B. A. Paulson

BAP:nb

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