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(CZ). **KANYI, Charles**; c/o Johnson Matthey Process Technologies, Inc., 115 Eli Whitney Boulevard, Savannah, GA 31408 (US).

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(74) Agent: **CARROLL, Kevin**; c/o Johnson Matthey, 435 Devon Park Drive, Suite 600, Wayne, PA 19087 (US).

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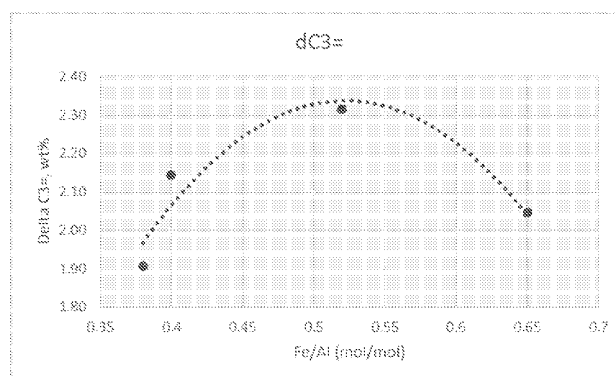
(71) Applicant: **JOHNSON MATTHEY PROCESS TECHNOLOGIES, INC** [US/US]; 115 Eli Whitney Boulevard, Savannah, GA 31408 (US).

(72) Inventors: **ALLAHVERDI, Mehdi**; c/o Johnson Matthey Process Technologies, Inc., 115 Eli Whitney Boulevard, Savannah, GA 31408 (US). **DIDDAMS, Paul**; c/o Johnson Matthey, Narodni Obrany 685/21, Bubenec, 160 00 Prague

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(54) Title: MAXIMIZATION OF LIGHT OLEFINS IN FCC PROCESS

FIGURE 1: Propylene make vs Ratio of Framework Fe:Al



(57) Abstract: The invention includes a fluid catalytic cracking process that comprises reacting a hydrocarbon feedstock under catalytic cracking conditions in the presence of a FCC catalyst and an additive, wherein the additive comprises a ZSM-5 molecular sieve having iron in the framework, wherein the process increases production of propylene compared to a process without using the additive. The invention also includes an additive for maximizing production of olefins, which comprises a ZSM-5 molecular sieve having iron in the framework.

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