

Title (en)

EXTENSION OF CATALYST CYCLE LENGTH IN RESIDUUM DESULFURIZATION PROCESSES

Title (de)

VERLÄNGERUNG DES KATALYSATORZYKLUS BEI DER RESTSTOFFENTSCHWEFELUNG

Title (fr)

EXTENSION DE LA LONGUEUR DE CYCLE DE CATALYSE DANS DES PROCEDES DE DESULFURATION DE RESIDU

Publication

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Application

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Abstract (en)

[origin: WO0220701A1] Solvent injection in amounts no greater than 2 wt% can favorably alter the way heavy metals, such as vanadium, are normally deposited in catalyst particles. Heavy metals may be stored on the catalyst in a more compact form, saving catalyst pore volume. Consequently catalyst cycle length is improved, since capacity for deposition is increased. The instant invention has also been demonstrated to control the rate of catalyst fouling by deposition of coke, or microcarbon residue (MCR). In the past, attempts to increase catalyst activity led to increased rates of catalyst fouling and shorter catalyst life. In the instant invention the rate of deposition of microcarbon residue is decreased, resulting in slower fouling of pores and increased cycle length.

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