Abstract of the Disclosure

Complex oxide catalysts represented by the formula,

$Mo_aW_bBi_cFe_dA_eB_fC_gD_hE_iO_x$

(in which A is Ni or Co; B is Na, K, Rb, Cs or Tl; C is an alkaline earth metal; D is P, Te, Sb, Sn, Ce, Pb, Nb, Mn, As, B or Zn; E is Si, Al, Ti or Zr; and where a is 12, $0 \leqq b \leqq 10$, $0 < c \leqq 10$, $0 < d \leqq 10$, $2 \leqq e \leqq 15$, $0 < f \leqq 10$, $0 \leqq g \leqq 10$, $0 \leqq h \leqq 4$ and $0 \leqq i \leqq 30$)

are provided. The catalysts are characterized in that the molar ratio of the total nitrate anions to the molybdenum at the time of catalyst preparation is more than 1 but not more than 1.8. When used in the reaction for producing (meth)acrolein and (meth)acrylic acid by vapor-phase oxidation of at least a compound selected from propylene, isobutylene, *t*-butanol and methyl-*t*-butyl ether, the catalysts exhibit excellent activity and selectivity and maintain stable performance over prolonged period.

This Sheet Has Been Replaced



THIS SHEET HAS BEEN REPLACED