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(54) Title: MIXED OXIDE CATALYST OF K, CS, CE, CR, CO, NI, FE, BI AND MO FOR THE MANUFACTURE OF ACRY-
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(57) Abstract: A catalyst comprising a complex of catalytic oxides comprising potassium, cesium, cerium, chromium, cobalt, nickel,
iron, bismuth, molybdenum, wherein the relative ratios of these elements is represented by the following general formula $A_a K_b Cs_c$
 $Ce_d Cr_e Co_f Ni_g X_h Fe_i Bi_j Mo_{12} O_x$ wherein A is Rb, Na, Li, Tl, or mixtures thereof, X is P, Sb, Te, B, Ge, W, Ca, Mg, a rare earth
element, or mixtures thereof, a is about 0 to about 1, b is about 0.01 to about 1, c is about 0.01 to about 1, d is about 0.01 to about 3,
e is about 0.01 to about 2, f is about 0.01 to about 10, g is about 0.1 to about 10, h is about 0 to about 4, i is about 0.1 to about 4, j is
about 0.05 to about 4, x is a number determined by the valence requirements of the other elements present, and wherein the catalyst
is substantially free of manganese and zinc. The catalyst is useful in processes for the ammoxidation of an olefin selected from the
group consisting of propylene, isobutylene or mixtures thereof, to acrylonitrile, methacrylonitrile and mixtures thereof, respectively.



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