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ACTION

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(54) Title: AMMOXIDATION OF CARBOXYLIC ACIDS TO A MIXTURE OF NITRILES

(57) Abstract: A process for increasing the yield of acetonitrile produced during the manufacture of acrylonitrile comprising intro-
ducing a hydrocarbon selected from the group consisting of propylene and propane, a carboxylic acid, ammonia and air into a reaction
zone containing an ammoxidation catalyst, reacting the hydrocarbon, carboxylic acid, ammonia and oxygen over said catalyst at an
elevated temperature to produce acrylonitrile, hydrogen cyanide and acetonitrile, and recovering the acrylonitrile, hydrogen cyanide
and acetonitrile from the reactor.