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ABSTRACT

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A method for manufacturing an
alkanedicarboxylic acid by oxidizing cycloalkanol
5 and/or cycloalkanone with an aqueous solution of nitric
acid, which comprises using an adiabatic reactor
comprising a feed nozzle enabling to feed cycloalkanol
and/or cycloalkanone at a linear velocity not lower
than 8×10^{-2} m/sec and a mixing apparatus.