

Title (en)
NITRIC ACID RECONSTITUTION.

Title (de)
REKONSTITUTION VON SALPETERSÄURE.

Title (fr)
RECONSTITUTION DE L'ACIDE NITRIQUE.

Publication
EP 0032912 A4 19820111 (EN)

Application
EP 80901345 A 19810224

Priority
US 6129879 A 19790727

Abstract (en)
[origin: WO8100397A1] Process for the reconstitution of NO<uX>u gases to nitric acid comprising the steps of 1. contacting the NO<uX>u gases in countercurrent relationship in one or more packed columns with cooled 50 to 60 percent nitric acid to remove as nitric acid a major portion of the originally introduced NO<uX>u values and provide an acid solution leaving the column having a temperature below about 180`F; 2. compressing the residual gases from step 1 to from about 2 to about 6 atmospheres absolute; and 3. contacting the compressed gases from step 2 with from about 50 to about 60 percent nitric acid in packed absorption column in counter-current relationship to remove substantially all of the remaining NO<uX>u values from the gas stream.

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C01B 21/40

IPC 8 full level
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