

Title (en)

RECOVERY PROCESS FOR OXIDATION CATALYST IN THE MANUFACTURE OF AROMATIC CARBOXYLIC ACIDS

Title (de)

VERFAHREN ZUR WIEDERGEWINNUNG VON OXIDATIONSKATALYSATOREN BEI DER HERSTELLUNG VON AROMATISCHEN KARBONSÄUREN

Title (fr)

PROCEDE DE RECUPERATION POUR UN CATALYSEUR D'OXYDATION DANS LA FABRICATION D'ACIDES CARBOXYLIQUES AROMATIQUES

Publication

EP 1224029 A4 20040908 (EN)

Application

EP 99941213 A 19990817

Priority

US 9918729 W 19990817

Abstract (en)

[origin: WO0112318A1] An improved separation process for the continuous catalytic oxidation of aromatic alkyls for the production of aromatic carboxylic acids in a liquid solvent medium, wherein the reactor product stream is withdrawn from the oxidation process, then separated to produce a product containing stream, mother liquor stream and a catalyst containing purge stream which is then passed through a filtration system (10) and series of sorption vessels (30, 40, 50, 60) to remove the oxidation catalyst and separate the impurities from the catalyst. The solvent is then separated from the reaction by-products by conventional distillation methods. The solvent is recycled to the process while the reaction by-product residue is disposed of by incineration. The oxidation catalyst is eluted from the ion exchange columns and returned to the process.

IPC 1-7

B01J 20/34; **B01J 37/30**; **B01J 31/40**; **C07C 51/255**; **C07C 51/47**

IPC 8 full level

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CPC (source: EP KR)

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C-Set (source: EP)

1. **C07C 51/42** + **C07C 63/00**
2. **C07C 51/47** + **C07C 63/00**

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (application)

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