

Title (en)
REMOVAL OF POLYCHLORINATED BIPHENYLS BY SOLVENT EXTRACTION

Publication
EP 0144216 B1 19880210 (EN)

Application
EP 84308299 A 19841129

Priority
US 55919183 A 19831207

Abstract (en)
[origin: EP0144216A1] For continuous removal of polychlorinated biphenyl compounds (PCB) from oil contaminated therewith, PCB compounds are continuously extracted from contaminated oil with a PCB-selective solvent in the stripping section (51) of a multistage extraction zone (6). The extract (10) from the extraction zone (52) is partially distilled in a distillation zone (11). The bottom residue (29) is cooled (32) and separated (34) into a solvent phase (44) and an oil/PCB phase (35), and a major portion (43) of the oil/PCB phase continuously recycled as extract reflux to the enriching section (52) of the extraction zone (6) where PCB compounds are extracted from the recycled portion by the solvent phase produced in the stripping section (51) of the extraction zone (6) to increase the PCB content of the extract. A minor portion (40) of the oil/PCB phase from the separation step (34) is withdrawn as a disposable PCB residue.

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IPC 8 full level
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CPC (source: EP)
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ES2142697A1; FR2626582A1; DE19852007A1; DE19852007C2; US5414203A; WO8900332A1; US6712954B1

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