

Title (en)
Chemical treatment of liquors.

Title (de)
Chemische Behandlung von Likören.

Title (fr)
Traitement chimique de liqueurs.

Publication
EP 0277422 B1 19941109 (EN)

Application
EP 87310701 A 19871204

Priority
• GB 8629320 A 19861208
• GB 8706529 A 19870319

Abstract (en)
[origin: EP0277422A2] A liquor, which may contain heavy metal species, is passed along a pipeline (14) provided with a cascade of fluidic mixing devices (A, B, C D) and a reagent or reagents is/are combined and thoroughly mixed with the liquor via the fluidic mixing devices (A, B, C, D) . A pipeline section is disposed downstream of each mixing device (A, B, C, D) and the pipeline section is dimensioned so that the liquor and reagent(s) are afforded to residence time for reaction as they flow through it. Following passage through the cascade of mixing devices (A, B, C, D) the mixed liquor/reagent(s) are fed into a settling vessel (30) from which part of the contents is fed to a centrifugal separator (42) to effect liquid/solid separation. A proportion of the solid separated is recycled back to the cascaded mixing pipeline (14) to provide nuclei to enhance precipitation and/or increase concentration of a constituent, such as a floc-forming agent, used in the treatment of the liquor.

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G21F 9/10

IPC 8 full level
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CPC (source: EP)
G21F 9/10 (2013.01)

Cited by
DE4307468B4; DE4307468A1

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EP 0277422 A2 19880810; EP 0277422 A3 19900214; EP 0277422 B1 19941109; DE 3750747 D1 19941215; DE 3750747 T2 19950316; GB 2200574 A 19880810; GB 2200574 B 19901128; GB 8728387 D0 19880210

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