

Publication

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Application

EP 93111761 A 19930722

Priority

DE 4225117 A 19920730

Abstract (en)

[origin: EP0581196A2] The invention relates to controlling a flotation plant comprising primary cells, of a primary stage, each equipped with a froth overflow, and secondary cells downstream of these for the overflow amounts. The invention is characterised by the features: a) setting the overflow height, which is then left unchanged, to the froth channel in the flotation cell of the primary stage; b) damming the froth and measuring the damming height in the froth channel of the primary stage; c) controlling, dependent on this measurement signal, the amount of material of the primary stage to as constant as possible or approximately constant damming height of the flow channel of the primary stage; d) separating out air from the overflow amount of the primary stage, passing the same to a collection vessel low down; e) returning the amount of material of the secondary stage in part to the primary stage and in part as a by-pass amount to the secondary stage upstream of the pump conveying material from the collection vessel for the primary stage to the secondary stage and downstream of this collection vessel; f) controlling the level in the collection vessel for the overflow amount of the primary stage via the by-pass amount to the secondary stage; g) measuring the level in the froth channel of the secondary stage upstream of an outlet weir of the same and controlling the ratio of the amount returned to the primary stage and the by-pass amount going to the secondary stage, in dependence on this measurement signal. <IMAGE>

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IPC 8 full level

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Citation (search report)

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- [Y] EP 0447887 A1 19910925 - VOITH GMBH J M [DE]
- [A] AU 548578 B2 19851219 - N PROIZV OB SOJUZTSVETMETAVTOM
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