

Title (en)
FLOTATION CELL

Title (de)
FLOTATIONSZELLE

Title (fr)
CELLULE DE FLOTTATION

Publication
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Application
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Abstract (en)
[origin: WO2020025850A1] A flotation cell (1) for treating particles suspended in slurry and for separating the slurry into an underflow (400) and an overflow (500) is disclosed. The flotation cell comprises a flotation tank (10) with a centre (11), a perimeter (12), a bottom (13), and a side wall (14); and a launder (2) and a launder lip (21) surrounding the perimeter (12) of the flotation tank. The flotation tank further comprises blast tubes (4) for introducing slurry infeed (100) into the tank, a blast tube comprising an inlet nozzle (41), an inlet (42) for pressurized gas, an elongated chamber (40) and an outlet nozzle (43). The outlet nozzle is positioned at a vertical distance (L5) from the launder lip, the distance (L5) being at least 1,5 m. In addition, a flotation line and use of the flotation line are disclosed.

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