- the effluents are degassed on emergence from the chamber, and the gases obtained are used to feed the injection of air in the bottom part;
- the resulting cake is recovered and dewatered by drying, pressing, or centrifuging, to give a solidified pancake;
- no flocculant is added upstream and/or in the chamber.

The invention also provides a product obtained directly by the method as described above.

It likewise provides a solidified sludge pancake obtained with the method described above, this pancake being characterized in that it has a porosity of between 5% and 15%.

The invention also provides a device employing the method as described above.

It further provides a device for separating the liquid part and the suspended matter of a sludge that are fed in continuous flow at a rate Q_{EB} = V/h, comprising means for feeding with air at a rate d, and a container for collecting and settling the suspended matter of the flow thus treated, and also means for continuously evacuating the supernatant liquid part of said flow to the exterior of said container, characterized in that said device comprises

- a closed chamber of volume v < V/20 which comprises at least two identical opposite orifices situated in the lower half of said chamber,
- means for catching the sludge and feeding the flow of sludge thus caught into said chamber in at least two partial flows each, respectively, injected via one of said orifices,

the means for feeding with air at a rate d being suitable for injecting the air into the chamber below said orifices, and