

METHOD FOR THERMAL SEPARATION OF A VOLATILE SUBSTANCE FROM A NON- OR LESS VOLATILE SUBSTRATE

ABSTRACT

In a method for the thermal separation of a volatile substance from a non- or less volatile substrate having a phase boundary towards a gas chamber that receives the volatile substance subsequent to vaporisation and/or sublimation, mechanical energy is supplied to the phase boundary between the substrate and the gas chamber to increase the material exchange of the volatile substance. In the process, the material exchange is increased by the addition of an additive or mechanical energy to the surface of the phase transition in such manner that said supplied mechanical energy destroys bubbles containing the volatile substrate, so that the volatile substrate can escape to the gas chamber.