

Abstract

APPARATUS FOR COATING SUBSTRATES USING THE EB/PVD METHOD

In order to be able to use two different evaporation materials in an evaporation assembly in particular for coating turbine blades, a linearly movable frame is provided in which two crucible arrangements, each of which comprises a front and a rear crucible, are disposed. Depending on the position into which the frame is moved, the front or the rear crucibles are in an operating position in which the same can be reached by an electron beam extending between the substrates to be coated. The material is fed by means of lifting devices driven by motors that are located outside the vacuum chamber (4). The connection to the lifting devices is established via telescopic shafts which can be deployed or retracted when the frame (1) is moved.

Figure 1