

Abstract

Printing plates for all-over printing of large areas by the intaglio printing process, a method for producing the printing plates and data carriers, in particular bank notes, with large-area printed images produced by the intaglio printing process are proposed. Flawless inking is ensured by providing partitions in the engraving of the printing plate which rise up vertically from the base of the engraved area and have at least a height of 50% of the engraving depth. The partitions largely prevent ink from being wiped out of the engraved areas when ink is wiped off the printing plate surface. This permits a large printed area to be covered all over with ink layers on a data carrier. By special arrangement and design of the partitions one can also produce fine structures in the printing area which are recognizable only with magnifying aids depending on the selected distances between the partitions.

