CLAIMS

1. A data carrier comprising a data sheet, said data sheet comprising a substrate material having a part bearing at least one printed area, said printed area being configured for ink written data, wherein said printed area comprises raised areas and depressed areas forming an embossed pattern, wherein the embossed pattern is formed by blind-embossed pattern, the depths, widths and/or design of the raised areas and depressed areas are configured to keep the ink of the ink written data filled into the depressed area so that to prevent smudging, spreading and manipulation, wherein the embossed pattern comprises at least one raised area that is deeper or wider than other raised area.

2. Data carrier according to the previous claim, wherein the ink written data is made with a handwritten or a machine written.

3. Data carrier according to any previous claims, wherein the embossed pattern comprises a matrix of lines, dots or other embossing.

4. Data carrier according to any previous claims, wherein the embossed pattern comprises embossed lines or series of dots extending at different angles to each other.

5. Data carrier according to any previous claims, wherein the embossed pattern comprises alphanumeric characters, serial numbers, codes, symbols, images or geometric patterns.

6. Data carrier according to any previous claims, wherein the substrate material of the printed area is paper, plastic, plastic foil laminated or coated paper, or multilayer composite materials.

7. Data carrier according to any previous claims, wherein the substrate is printed with parallel lines or shapes so that the structured embossed pattern provide an optical Moire effect.

8. Data carrier according to any previous claims, wherein the data sheet is an identity card, a page of a passport, a credit card or the like.