C l a i m s

1. A container transfer system having at least one first (1) and at least one second container (5), which can be connected to one another in a media-conducting manner by means of a connection device (7), which has a transfer device (27) which, held in a locked position by means of at least one locking device (25), prevents an exchange of media or permits said exchange in at least one unlocked position in which the transfer device (7) is guided in a longitudinally displaceable manner in a seat (9) of the connection device (7) for a transfer operation, with the locking device (25) being able to be transferred to an unlocked position by means of the movement of at least one of the containers (5), whereby additional control means (13, 21, 31, 81, 83, 85) are provided on the respective mobile container (5) which at least partially surround this container (5) at the external circumference and which activate the locking device (25, 75, 87) of the transfer device (27) for an unlocking, whereby the connection device has, as a seat (9) for the transfer device (27) and the locking device (25), a housing in the form of a sheath, which can be connected or is connected at the one end to a container (1), and is accessible at the other end for a mobile second container (5) and which forms a guide for displacement movements of the transfer device (27) and the locking device (25), whereby the transfer device (27) has a disk (35, 73) as a support for a centrally located hollow piercing spike (37) which projects on both sides of the disk (35, 73), whereby at the circumference of the disk (35, 73) are provided first locking elements (41, 49) which can be activated by the locking device (25, 87), by means of which, in a start position, the disk (35) can be detachably latched on catches (51) of the sheath against an opening displacement movement, and whereby first (49) locking elements (43, 45) are formed on tongue parts, which can move in a flexible manner relative to one another, of tabs provided at the circumference of the disk (35) which are raised from the plane, **characterized in that**, for the tongue parts (41, 49) forming the latching to the sheath, second catches

(57) are formed on the sheath, which latch the transfer device (27) in an end position at the end of a connection operation.

2. The container transfer system according to Claim 1, characterized in that the additional control means are provided on the outer side of a cap part (13) which, on the mobile container (5), surrounds an opening region (48) which can be perforated by the hollow piercing spike (37) of the transfer device (27), or which, formed by the container (5) itself, are preferably an integral component of the container (5).

3. The container transfer system according to Claim 1 or 2, characterized in that the locking device has a blocking element (25, 67, 73) which, in the locked state, prevents the opening displacement movement of the hollow piercing spike (37) of the transfer device (27) and which can be transferred to the unlocked state allowing the displacement movement by means of mechanical contact with the control means (13) of the mobile container (5).

4. The container transfer system according to Claim 3, characterized in that, in order to form an encryption which acts as a key-lock system between the mobile container (5) and the connection device (7) as a control means, a key element (13) comprising a physical coding (21, 61, 63) is provided on the mobile container (5) and in that, as the lock of the system, an opening (29) with a physical coding (31) provided on the inner side is provided on the body of the blocking element (25) in such a way that, in the case of corresponding coding, the control means (13) of the container (5) can be introduced into the opening (29) of the blocking element (25) in order to transfer said blocking element to the unlocked state.

5. The container transfer system according to Claim 4, characterized in that the coding (61, 63) of the key element on the cap part (13) of the mobile container (5) has recesses (21, 83) and/or projections (31, 85) provided at the circumference.

6. The container transfer system according to Claim 5, characterized in that the coding of the blocking element (25, 73) is formed by recesses (21, 83) and/or projections (31, 85) which are provided on the wall of its opening (29) and which complement the recesses (21, 83) and/or projections (31, 85) of the mobile container (5) in the case of corresponding coding.

7. The container transfer system according to one of the preceding claims, characterized in that the connection device (7) has, as the seat (9) for the transfer device (27) and the locking device (25), a housing in the form of a cylindrical sheath.

8. The container transfer system according to one of the preceding claims, characterized in that guide parts (39) for the guiding of the disk (35, 73) in displacement movements in the sheath are provided at the circumference of the disk (35, 73).

9. The container transfer system according to Claim 8, characterized in that, at the circumference of the disk (35,73) second locking elements (43, 45) are provided which, in their normal blocking position, hold the blocking element (25) in the locked state and which, by means of contact with the control means (13) of the mobile container (5) introduced into the blocking element (25), can be controlled out of the blocking position into an unblocked position, in which they transfer the blocking element (25) into the unlocked state (35, 73).

10. The container transfer system according to Claim 9, characterized in that first (49) and second locking elements (43, 45) are formed on tongue parts, which can move in a flexible manner relative to one another, of tabs provided at the circumference of the disk (35) which are raised from the plane.

11. The container transfer system according to Claim 9 or 10, characterized in that the respective tab for the respective second locking element (43, 45) has a control part (53) which engages in the opening (29) of the blocking element (25) which, by means of contact with the control means (13) of the mobile container (5) introduced into the opening (29), moves the respective second locking element (43, 45) out of the blocking position and unlocks the blocking element (25).

12. The container transfer system according to Claims 3 to 11, characterized in that the blocking element (25) in the unlocked state can be moved by means of the mobile container (5) towards the disk (35) of the transfer device (27), with the tabs being guided in control channels (55) of the blocking element (25) in such a way that the tongue parts (41, 49) forming the latching to the sheath are moved in an unlatching manner in the control channels (55), so that the transfer device (27) is free for the opening displacement movement and can be carried along by means of the movement of the blocking element (25).

13. The container transfer system according to one of the preceding claims, characterized in that, at the circumference of the disk (35, 73) of the transfer device (27), inwards projecting lugs (47) are provided, which, in the end position of the transfer device (27), form a snap connection with a circumferential edge (19) of the key element-comprising cap part (13) of the mobile container (5).

14. The container transfer system according to one of the preceding claims, characterized in that the latching of the disk-shaped support (73) of the piercing spike (37) takes place with the help of locking parts (87) which are spring-mounted in the sheath (9).