

Title (en)
STEAM IRONING PRESS

Title (de)
DAMPFBÜGELPRESSE

Title (fr)
PRESSE-REPASSEUSE A VAPEUR

Publication
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Application
EP 94914501 A 19940510

Priority
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Abstract (en)
[origin: WO9426967A1] A steam press for pressing fabric wherein a movable upper member (52) is disposed above a stationary lower member (50) and the press has open and closed positions at which the movable upper member (52) is respectively spaced from or engages the lower member (50). Fabric is pressed when disposed between the two engaged members. The upper member (52) includes an inlet water port (56), an electrically energizable element (58) adapted to heat the surface of said upper member (52) adjacent the lower member (50) and when water is delivered to the inlet port (56) to heat said water into steam, and bottom disposed steam outlet ports (62) for discharging steam into the fabric while being pressed. A water reservoir (1) has a water outlet port (17). A pump has a body (9) with an inlet connected to the reservoir outlet and an outlet (18) connected to the water inlet port (56) and also has a piston (16) slidable back and forth in the body. A direct current motor (2) has a drive shaft which rotates in one direction when a direct voltage of selected polarity is applied to the motor (2) and which rotates in opposite direction when the polarity of the applied voltage is reversed. The drive shaft is coupled to the piston (16) to move the piston (16) longitudinally in the pump body (9) in one selected direction to draw water out of the reservoir (1) into the pump body (9) when the shaft rotates in one selected direction and to move the piston (16) longitudinally in the pump body (9) in the other direction to force water out of the pump body (9) into the inlet water port (56) in the upper member (52) when the shaft rotates in the other direction. A direct voltage of one polarity is supplied to the motor to cause water to be drawn out of the reservoir (1) into the pump body (9) and then is supplied with reversed polarity to force water out of the pump body (9) into the inlet water port (56).

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