

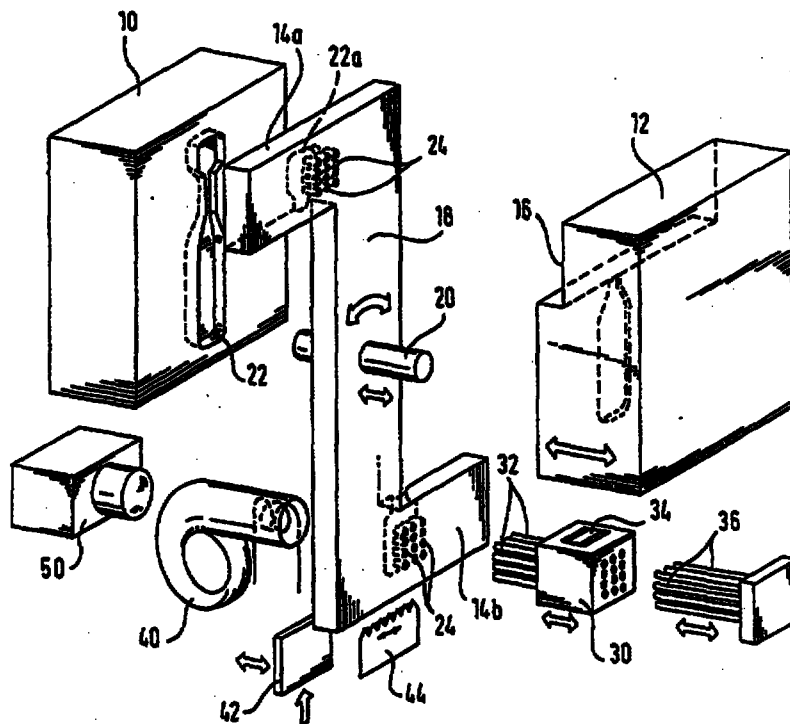


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(54) Title: A BRUSH-MAKING MACHINE**(57) Abstract**

A brush-making machine with a mold for injection molding of brush bodies is disclosed. The mold comprises a stationary mold part (10), a movable mold part (12) and a pair of complementary mold parts (14a, 14b) fitting into a recess (16) of the movable mold part (12). The complementary mold parts (14a, 14b) have tuft insertin holes (24) therein. While one of the complementary mold parts (14a) fills the recess (16) of the movable mold part (12) and a brush body is injection molded with tufts of bristles embedded in the molding material, the other complementary mold part (14b) is in front of a tuft feeder for introducing tufts of bristles into the tuft insertion holes (24). The tuft feeder comprises a plurality of tuft picking and transfer tubes (32) which are movable to pick out tufts of bristles from a bristle container and to transfer each of these tufts to a position adjacent one of the tuft insertion holes (24). Plunger members (36) penetrate into respective tubes (32) to push out the tufts of bristles contained therein and to force them into and through the tuft insertion holes (24).



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