Title (en)

ULTRASONIC TRANSDUCER AND METHOD FOR ITS MANUFACTURE

Publication

EP 0090267 B1 19870204 (DE)

Application

EP 83102613 A 19830316

Priority

DE 3211734 A 19820330

Abstract (en)

[origin: EP0090267A1] 1. An ultrasonic applicator comprising an acoustic head which has finely divided transducer elements (2), a plurality of which are electrically combined to form groups (3) by contact sheets which are placed onto the counter-surfaces (6) of the transducer elements (2), which are opposite the reflecting surfaces (5), characterised in that the contact sheets have the shape of a longitudinal strip (20; 22) which extends in the region between the ends of the transducer elements (2) at right angles to the counter-surfaces (6), that the strip (20; 22) is designed as a comb (7) with a plurality of electrical contact lugs (8) and a plurality of consecutive recesses (9; 21), where the recesses are open at the strip edge which faces away from the counter-surfaces (6) of the transducer elements (2) and where their depth of cut (h, h') in the direction of the counter-surfaces (6) of the transducer elements (2) is smaller than the overall height (H) of the strip (20; 22), that in the region of each recess (9; 21) the strip (20, 22) is provided with at least one slot (12) which extends through the strip ridge (10) from the recess (9; 21) to a gap (14) between two adjacent transducer elements (2), and thereby separates two adjacent transducer elements (2), and that the base width (c) of the recess (9, 21) is essentially greater than the width (s) of the slot (12).

IPC 1-7

G10K 11/34

IPC 8 full level

B06B 1/06 (2006.01); **G10K 11/34** (2006.01)

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