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(74) Agent: **MCLAUGHLIN, Michael**; Lloyd Wise, Tanjong
Pagar, P.O. Box 636, Singapore 910816 (SG).

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(71) Applicants (*for all designated States except US*):
NANYANG TECHNOLOGICAL UNIVERSITY [SG/SG]; 50 Nanyang Avenue, Singapore 639798 (SG).
TAN TOCK SENG HOSPITAL [SG/SG]; 11, Jalan Tan Tock Seng, Singapore 308433 (SG).

(72) Inventors; and

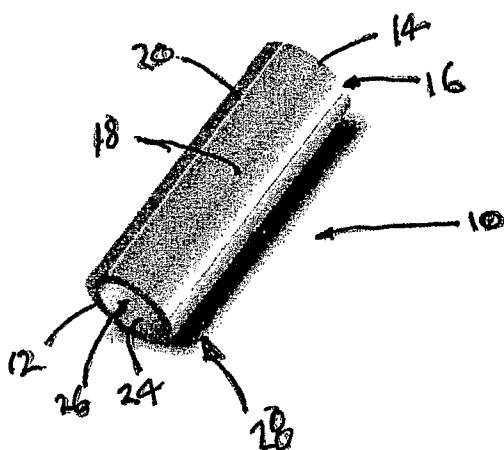
(75) Inventors/Applicants (*for US only*): **MA, Jan** [SG/SG]; 367, Corporation Drive, #08-437, Singapore 610367 (SG).
BOEY, Yin Chiang, Freddy [SG/SG]; 8, Linden Drive, Singapore 288685 (SG). **LIM, Tock Han** [SG/SG]; 2, Evergreen Garden, Singapore 468878 (SG).

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(54) Title: ULTRASONIC MECHANICAL EMULSIFIER



(57) Abstract: A tubular piezoelectric transducer comprising a tube of piezoelectric material and having a plurality of external electrodes for inducing in a first end of the tube at least one movement of a plurality of possible movements; at least two spokes attached to and extending radially inwardly of the tube for movement with the first end; a hub at an inner end of the at least two spokes and being located on the longitudinal axis of the tube, the hub being attached to the at least two spokes for movement therewith; the hub being for receiving therein a probe for movement of the probe with the hub. A phaco-probe incorporating the transducer is also disclosed.