

Title (en)

Massaging device with multiple ultrasonic transducers

Title (de)

Massagevorrichtung mit mehreren Ultraschallwandlern

Title (fr)

Dispositif de massage avec de multiples transducteurs ultrasoniques

Publication

EP 2647362 B1 20150121 (EN)

Application

EP 12250090 A 20120405

Priority

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Abstract (en)

[origin: EP2647362A1] The present invention teaches an ultrasonic device for skin care massage, comprising one or more ultrasonic vibration transmission plates, each of which has a rear surface and a smooth surface for contacting the skin to be massaged; and at least two different ultrasonic vibration transducers coupled to the rear surface of each of the ultrasonic vibration plates. Each of the ultrasonic vibration transducers generates an ultrasonic wave with a unique frequency between 20kHz to 25MHz. Each of the ultrasonic vibration transducers has a bottom surface parallel to the smooth surface. A distance between the bottom surface of any of the ultrasonic vibration transducers to the smooth surface is approximately an integer times of the half wavelength of the ultrasonic wave generated by the ultrasonic vibration transducer.

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