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(57) Abstract :

An ingrown nail correction device, comprising a platform 1 accessed by a user for positioning foot which has an ingrown nail. A L-shape rod 2 configured with a frame 3 to align the frame 3 over user's foot, an imaging unit 4 to determine the dimensions of toenail, a sliding unit 6 configured with a telescopically operated links 7 to position the links 7 at the sides of nail, an ultrasonic sensor 5 for detecting in-depth of ingrown nail, a hook 8 placed on links 7 to grip the edges of nail, a tactile sensor for detecting hardness of nail, a pusher 10 for applying pressure over the nail in order to correct the nail, a lid 11 arranged on cavity for allowing user to translate toe, a peltier unit 13 arranged with chamber 12 for heating water stored within chamber 12 to decrease the discomfort experienced by the user.

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