

Title (en)
ULTRASONIC BOOSTER AND DEVICE FOR PROCESSING WORKPIECES

Title (de)
ULTRASCHALLBOOSTER UND VORRICHTUNG ZUM BEARBEITEN VON WERKSTÜCKEN

Title (fr)
SURAMPLIFICATEUR À ULTRASONS ET DISPOSITIF DE TRAITEMENT DE PIÈCES À USINER

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Application
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Abstract (en)
[origin: WO2022194383A1] The invention relates to an ultrasonic booster (1) for a sonotrode (30) for processing workpieces (W) with ultrasonic vibrations, having a booster body (10). Longitudinal vibrations (SL) are introduced into the booster body (10) on a sound introduction side (11) having a first end side (12). A conversion structure (15), by means of which transverse vibrations (ST) having a vibration component in a plane (E) perpendicular to the longitudinal axis (L) are generated from the longitudinal vibrations (SL), is located between the sound introduction side (11) and a coupling side (13) opposite the sound introduction side.

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