

B06 GENERATING OR TRANSMITTING MECHANICAL VIBRATIONS IN GENERAL

B06B **GENERATING OR TRANSMITTING MECHANICAL VIBRATIONS IN GENERAL** (for particular physical or chemical processes, see the relevant subclasses, e.g. B07B 1/40, B22C 19/06, B23Q 17/12, B24B 31/06, E01C 19/22; measurement of mechanical vibrations, including the combination of generation and measurement, G01H; systems using reflection or reradiation of acoustic waves G01S 15/00; generating seismic energy for prospecting G01V 1/02; control of mechanical vibrations G05D 19/00; methods or devices for transmitting, conducting or directing sound, in general G10K 11/00; synthesis of acoustic waves G10K 15/02; piezo-electric, electrostrictive or magnetostrictive elements H01L 41/00; motors with vibrating magnet, armature or coil H02K 33/00; motors using piezo-electric effect, electrostriction or magnetostriction H02N 2/00; generation of electrical oscillations H03B; electromechanical resonators as resonant circuit elements H03H; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R) [2]

- (1) This subclass covers arrangements for generating mechanical vibrations in solids, e.g. for the purpose of performing mechanical work. [6]
- (2) This subclass does not cover arrangements for generating mechanical vibrations in fluids, which are covered by subclass G10K. [6]

1/00	Processes or apparatus for generating mechanical vibrations of infrasonic, sonic or ultrasonic frequency	1/12	. . operating with systems involving reciprocating masses
1/02	. making use of electrical energy (B06B 1/18, B06B 1/20 take precedence)	1/14	. . . the masses being elastically coupled
1/04	. . operating with electromagnetism (dynamo-electric motors with vibrating magnet, armature or coil system H02K 33/00)	1/16	. . operating with systems involving rotary unbalanced masses
1/06	. . operating with piezo-electric effect or with electrostriction (piezo-electric or electrostrictive elements in general H01L 41/00)	1/18	. wherein the vibrator is actuated by pressure fluid (B06B 1/20 takes precedence)
1/08	. . operating with magnetostriction (magnetostrictive elements in general H01L 41/00)	1/20	. making use of a vibrating fluid
1/10	. making use of mechanical energy (B06B 1/18, B06B 1/20 take precedence)	3/00	Processes or apparatus specially adapted for transmitting mechanical vibrations of infrasonic, sonic or ultrasonic frequency
		3/02	. involving a change of amplitude
		3/04	. involving focusing or reflecting