

Publication

**EP 0722136 A3 19960828 (EN)**

Application

**EP 96100107 A 19960105**

Priority

- DE 19500654 A 19950112
- DE 19512835 A 19950406

Abstract (en)

[origin: EP0722136A2] Thermo-vibrator consisting of a combination of vibrator and metal block thermostat (3) for mixing and tempering samples in sample vessels (1), esp. for biochemical laboratories. Vibrator is a single pulse electromechanically driven linear vibrator. Stroke, vibration frequency and individual pulse intensity are freely adjustable. The time interval, pulse rate and pulse intensity may be manually or automatically controlled by an attached sequencer. The sample vessel holder (2), on or above the metal block thermostat (3), is driven mechanically with the sample vessels (1), independent of the vibration motion of the metal block thermostat, and may be raised or lowered manually or via a sequencer and fixed at each height.

IPC 1-7

**G05D 23/19; G05D 19/00; B01L 7/00**

IPC 8 full level

**B01F 11/00** (2006.01); **B01L 7/00** (2006.01)

CPC (source: EP)

**B01F 31/27** (2022.01); **B01F 31/275** (2022.01); **B01L 7/00** (2013.01)

Citation (search report)

- [A] US 5112134 A 19920512 - CHOW CALVIN Y H [US], et al
- [A] DE 2504269 A1 19760122 - SUOVANIEMI OSMO ANTERO
- [A] US 3944188 A 19760316 - PARKER BERNARD, et al
- [A] US 5229074 A 19930720 - HEATH WARREN J [US], et al

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DE10243209A1; CN109621799A; US8202702B2; US10118177B2; WO2004053446A1; US8658349B2; US10359418B2; US7638321B2; US7276351B2; US7851201B2; US8697431B2

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DOCDB simple family (publication)

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