

Title (en)  
LABORATORY CENTRIFUGE, COMPRISING REFRIGERATION UNIT

Title (de)  
LABORZENTRIFUGE MIT KUEHLAGGREGAT

Title (fr)  
CENTRIFUGEUSE DE LABORATOIRE A GROUPE FRIGORIFIQUE

Publication  
**EP 1196247 B1 20030423 (DE)**

Application  
**EP 00942132 A 20000626**

Priority  
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• EP 0005877 W 20000626

Abstract (en)  
[origin: DE19932721C1] The invention relates to a laboratory centrifuge, comprising a rotor (2) that is driven by an electric centrifuge motor (5) and a refrigeration unit (17) that is driven by an electric cooling motor (22). The centrifuge motor is configured as a frequency-controlled induction motor which is fed by a frequency converter (20), operated by a control device (30). Said frequency converter has a centrifuge current inverter (7) which feeds the centrifuge motor and which is connected to a d.c. voltage source (10) that is fed by a power rectifier (12). The laboratory centrifuge is characterised in that the cooling motor is configured as a frequency-controlled induction motor and that the frequency converter has an additional cooling current inverter (24) which is connected to the d.c. voltage source, parallel to the centrifuge current inverter and feeds the cooling motor.

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IPC 8 full level  
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