

Title (en)

Lid latch for laboratory centrifuges, rotating at medium or high speed.

Title (de)

Deckelverriegelung für mittel- bis hochtourige Laborzentrifugen.

Title (fr)

Dispositif de verrouillage de couvercle pour centrifuges de laboratoire, tournant à des vitesses moyennes ou élevées.

Publication

EP 0470428 B1 19940504 (DE)

Application

EP 91112293 A 19910723

Priority

DE 4025134 A 19900808

Abstract (en)

[origin: US5280975A] A mechanism for locking a cover to a housing of medium and high speed laboratory centrifuges. The locking mechanism includes an axially moveable locking member which has at least one locking portion adapted to be moved in locking engagement with a locking hole of the cover. The axially moveable locking member is rotatably mounted in the housing and connected with a rotary drive. An advancing mechanism transforms the rotary movement of the locking member into an advancing movement thereof. Preferably said advancing mechanism includes a threaded portion provided on the locking member and in engagement with a projection provided on the housing. The locking member has a portion of reduced cross section which may pass through a slot into the locking hole when the cover is moved to its closed position.

IPC 1-7

B04B 7/02

IPC 8 full level

B04B 7/02 (2006.01); **B04B 7/06** (2006.01)

CPC (source: EP US)

B04B 7/06 (2013.01 - EP US); **Y10S 292/69** (2013.01 - EP US); **Y10T 292/0962** (2015.04 - EP US); **Y10T 292/1099** (2015.04 - EP US)

Cited by

EP0819471A1; US5915766A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

US 5280975 A 19940125; AT E105212 T1 19940515; DE 4025134 C1 19911114; DE 59101553 D1 19940609; EP 0470428 A2 19920212; EP 0470428 A3 19920513; EP 0470428 B1 19940504; ES 2053247 T3 19940716; JP H04227079 A 19920817; JP H0647086 B2 19940622

DOCDB simple family (application)

US 74213291 A 19910808; AT 91112293 T 19910723; DE 4025134 A 19900808; DE 59101553 T 19910723; EP 91112293 A 19910723; ES 91112293 T 19910723; JP 22335891 A 19910807