

Title (en)

AUTOMATED CENTRIFUGE LOADING DEVICE

Title (de)

AUTOMATISCHE LADEEINRICHTUNG FÜR ZENTRIFUGE

Title (fr)

DISPOSITIF AUTOMATISE PERMETTANT DE CHARGER UNE CENTRIFUGEUSE

Publication

EP 1145104 A4 20071205 (EN)

Application

EP 98966042 A 19981222

Priority

US 9827283 W 19981222

Abstract (en)

[origin: WO0038046A1] A method and apparatus for an automated device for loading a centrifuge where tubes are presented to the centrifuge via an automated routing system. The device includes a stating area for tube adaptors, a dual function tool having a tube gripper which routes tubes between a transport device and centrifuge adaptors, and an adaptor gripper which transports the tube adaptors to and from the centrifuge.

IPC 1-7

G06F 7/00; G06F 17/00; B65G 1/00

IPC 8 full level

B04B 11/00 (2006.01); **B04B 5/02** (2006.01); **G01N 35/00** (2006.01); **G01N 35/04** (2006.01)

CPC (source: EP)

G01N 35/0099 (2013.01); **B04B 2011/046** (2013.01); **G01N 2035/00495** (2013.01); **G01N 2035/0406** (2013.01)

Citation (search report)

- [A] US 4735776 A 19880405 - YAMAMOTO MASAHIRO [JP], et al
- [A] EP 0629858 A1 19941221 - NITTEC CO LTD [JP]
- [A] US 5769775 A 19980623 - QUINLAN MICHEL G [CA], et al
- See references of WO 0038046A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 0038046 A1 20000629; AU 2203099 A 20000712; CA 2356270 A1 20000629; EP 1145104 A1 20011017; EP 1145104 A4 20071205; JP 2002533200 A 20021008; JP 4382990 B2 20091216

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