

Title (en)  
CENTRIFUGE FOR AUTOMATIC LOADING

Title (de)  
ZENTRIFUGE ZUR AUTOMATISCHEN BELADUNG

Title (fr)  
CENTRIFUGEUSE POUR CHARGEMENT AUTOMATIQUE

Publication  
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Application  
**EP 20796704 A 20201009**

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Abstract (en)  
[origin: WO2021094038A1] The invention relates to a centrifuge (10) for automatic loading, having a drive shaft (44), which is driven in a rotatable manner about a rotor axis (42), having a rotor (46), which is releasably coupled for conjoint rotation to the drive shaft (44) and has mounts for containers for media to be centrifuged, having a housing (12) with lateral outer walls (14, 16, 18, 20) delimiting the centrifuge (10) and with a ceiling (22), wherein at least one outer wall (14) has a sideways directed side opening (28) for loading the rotor (46) as required, and having a safety vessel (50) with at least one partially enclosing protective wall (34), which is adapted at least to the shape of the adjacent outer wall (14) with side opening (28) such that said protective wall closes off the side opening (28), wherein the safety vessel (50) and the protective wall (34) form a firmly interconnected safety unit (68), which is in operative connection with an adjustment mechanism (104), by means of which the safety unit (68) can be moved such that the protective wall (34) opens and closes the side opening and therefore the protective wall can be moved out of a closing position into an opening position, and vice versa. The invention is distinguished in that the side opening (28) extends to the ceiling (22) and is adjoined by a ceiling opening (30) in the ceiling (22), so as to create a loading and unloading opening (32) formed from the side opening (28) and ceiling opening (30), wherein a second adjustment mechanism (106) can be used to open and close the ceiling opening (30) by a further closing wall (36).

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