

Title (en)

Safety drive unit in combination with a movable of protection screen, particularly in manufacturing machines

Title (de)

Sicherheits-Antriebseinheit in Kombination mit einem Schutzschirm, insbesondere für Herstellungsmaschinen

Title (fr)

Unité d'entraînement à sécurité en combinaison avec un écran de protection, notamment pour des machines de fabrication

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Application

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Priority

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Abstract (en)

[origin: EP0994032A1] Safety drive unit, in particular for the movement of protection screens in manufacturing machines the said unit comprising at least one drive motor (25, 26) that drives a support of the motion (7) of an element of cover and/or protection (5, 205). According to the invention, the transmission between the drive motor (25, 26) and the protection screen (5, 205) is formed by a pair of helical gears (22, 23) engaged between each other with the corresponding external helical threads (122, 122', 123, 123'), the said helical gears (22, 23) being made in such a manner, that the rotation of the helical drive gear (23) in the two directions engages the rotation in the two directions of the other helical driven gear (22), whereas a rotation of the driven helical gear (22) engages a locking underpinning of the same in or with the helical drive gear (23) which prevents the rotation. The invention relates also to a protection screen equipped with such a drive unit. <IMAGE>

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