

Title (en)
DOOR OR GATE CLOSURE

Title (de)
TÜR- ODER TORVERSCHLUSS

Title (fr)
FERMETURE DE PORTE OU DE PORTAIL

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Application
EP 98942661 A 19980730

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Abstract (en)
[origin: US6311757B1] The invention relates to a door or gate closing mechanism having essentially rectangular closing elements disposed horizontally and in parallel to one another which are movable in manner overlapping one another. The closing elements are driven in such a way that the second closing element is travelled at double the speed of the first and the third at three times the speed of the first and the last at a speed corresponding to the speed of the first closing element multiplied by the number of closing elements. Thus, only the bottom-most closing element is travelled over the full height at maximum drive speed during the opening or closing of the door while the remaining closing elements have to be travelled at a correspondingly lower speed over correspondingly shorter distances. In this way, overall a favourable energy balance is produced during the opening and closing of the door closing apparatus in accordance with the invention.

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