

Title (en)
Sliding gate movable along a curve.

Title (de)
Bogenförmig verschiebbares Schiebetor.

Title (fr)
Porte à coulisses mobile sur un arc.

Publication
EP 0128391 A2 19841219 (DE)

Application
EP 84105608 A 19840517

Priority
DE 3320947 A 19830610

Abstract (en)
1. Sliding gate moving along a curve, in particular garage gate, composed of vertically meshing bars (2), the bars (2) being linked with each other by at least one link chain (3), and the link chain (3) being moveable as a pull band, featured by that the single bars (2) are suspended from a supporting rail curved in a horizontal plane by means of running rollers (62), that the link chain (3) is connected with the bars (2) at the inner side of the curve in such a manner that the link chain moves in the curve area of the supporting rail on a circular arc inside the curve, the radius of which is smaller than that of a circular arc outside the curve, on which the bars move, that each bar (2) is fastened to the link chain (3) with a clip junction (61), that the bars (2) mesh with a mutually moveable tongue-and-groove profile in such a manner that adjacent bars (2) can slightly move apart considering that they travel on the circular arc outside the curve, which is larger than the link chain circular arc inside the curve, with a view to avoid tensile stresses between the bars (2) in the curve area, and that the tongue-and-groove profile has such a clearance, or that the groove is enlarged at right angles to the inner side to such an extent, that the tongue-and-groove profile does not jam in the curve area.

Abstract (de)
Die Erfindung betrifft ein bogenförmig verschiebbares Schiebetor aus vertikalen, ineinandergreifenden Stäben (2). Um einen Transport des im Fertigzustand sperrigen Tores in Einzelteilen und eine schnelle Montage an der Baustelle zu ermöglichen, greifen erfindungsgemäss die Stäbe (2) jeweils mit spielbehafteten Schwalbenschwanzprofilen (21, 22) formschlüssig ineinander und sind durch ein einziges band- oder gliederförmiges Verbindungsbauteil, vorzugsweise in Form einer Gelenkkette (3) mit verlängerten Bolzen (31), miteinander verbunden, an welchem jeder Stab (2) mittels einer Schnappverbindung (61) befestigt ist. Als Stäbe finden vorzugsweise Rolladen- oder Rolltor-Hohlprofilstäbe Anwendung.

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E06B 9/08

IPC 8 full level
E06B 9/08 (2006.01); **E06B 9/15** (2006.01); **E06B 9/11** (2006.01); **E06B 9/17** (2006.01)

CPC (source: EP)
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Cited by
EP0228822A3; CN107801406A; CN107801407A; JP2018521244A; WO2006058972A1; US11499369B2; US10914117B2; US10829989B2

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