

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.

IPC 1-7  
**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)  
**E06B 9/15** (2013.01); **E06B 2009/1555** (2013.01); **E06B 2009/1572** (2013.01); **E06B 2009/1583** (2013.01)

Cited by  
EP0228822A3; CN107801406A; CN107801407A; JP2018521244A; WO2006058972A1; US11499369B2; US10914117B2; US10829989B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0128391 A2 19841219; EP 0128391 A3 19850731; EP 0128391 B1 19870401**; AT E26324 T1 19870415; DE 3320947 A1 19841213; DE 3320947 C2 19860904; DE 3462937 D1 19870507

DOCDB simple family (application)  
**EP 84105608 A 19840517**; AT 84105608 T 19840517; DE 3320947 A 19830610; DE 3462937 T 19840517