

Title (en)
A flexible door

Title (de)
Flexible Tür

Title (fr)
Porte flexible

Publication
EP 2796655 A1 20141029 (EN)

Application
EP 14165065 A 20140417

Priority
GB 201307330 A 20130423

Abstract (en)
The invention relates to a flexible door having a main door structure, fixings for securing the main door structure to a door frame, and a hinge which allows hinged movement of the main door structure on the door frame between a closed position and an open position. The main door structure includes a resilient support member which allows the door to bend through a bend radius when an opening force is imparted on the door. The resilience provided by the resilient support member is such that, when an opening force up to a threshold opening force is imparted on the door, the resilient support member and hence the main door structure will bend under the action of such force without any hinged movement occurring at the hinge arrangement. When an opening force above the threshold opening force is imparted on the door, in addition to the resilient support member and hence the main door structure bending under the action of such force, hinged movement of the door will occur at the hinge arrangement.

IPC 8 full level
E06B 3/80 (2006.01)

CPC (source: EP GB)
E06B 3/80 (2013.01 - EP GB); **E06B 7/36** (2013.01 - GB); **E05D 3/08** (2013.01 - GB)

Citation (search report)

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Designated extension state (EPC)
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