

Title (en)
Insulating glazing.

Title (de)
Isolierglasscheibe.

Title (fr)
Vitrage isolant.

Publication
EP 0109382 A2 19840523 (DE)

Application
EP 83890185 A 19831020

Priority
AT 385082 A 19821020

Abstract (en)
1. An insulating glass pane (1) comprising in an airtightly sealed cavity (4) a darkening device, which is disposed in an airtightly sealed cavity (4) and comprises a covering, which is adapted to be raised by a winding shaft (12), wherein said darkening device is operable by means of an outer magnet (19), which is guided outside the insulating glass pane (1), and by an inner magnet (18), which is movable by the outer magnet (19) and guided inside the insulating glass pane (1) and operatively connected to the winding shaft (12) by a drive rope (17), characterized by the combination of the features which reside in that the covering consists of a slatted blind (5) comprising individual adjustable slats (6), which are adapted to be stacked to form a pack, that the inner magnet (18) hangs from the drive rope (17), which is adapted to be wound up on and unwound from a drive pulley (16), which is mounted on the winding shaft (12), that a winding pulley (13) for a carrying rope (14) is mounted on the winding shaft (12), that said carrying rope (14) is adapted to be wound up and unwound in a sense which is opposite to that of the blind (5), that the drive-rope (14) carries a counterweight (15) which matches the blind, and that the inner magnet (18) and the counterweight (15) are disposed in the mutually opposite marginal side portions of the cavity (4) left beside the blind (5).

Abstract (de)
Eine Isolierglasscheibe (1) weist im luftdicht abgeschlossenen Hohlraum (4) eine Verdunkelungseinrichtung (5) auf, die über einen ausserhalb der Isolierglasscheibe (1) geführten Aussenmagneten (19) und einen durch den Aussenmagneten bewegbaren, innerhalb der Isolierglasscheibe (1) geführten Innenmagneten (18) betätigt wird. Als Verdunkelungseinrichtung dient dabei eine mittels einer Wickelwelle (12) zusammenziehbare oder aufrollbare Abdeckung. Diese Wickelwelle (12) ist mit dem Innenmagneten (18) über ein Triebseil (17) antriebsverbunden und trägt neben dem Wickelbereich für die Abdeckung eine Wickelrolle (13) für ein gegensinnig zur Abdeckung auf- und abwickelbares Tragseil (14), an dem ein an die Abdeckung angepasstes Gegengewicht (15) hängt.

IPC 1-7
E06B 9/264; **E06B 3/66**

IPC 8 full level
E06B 3/67 (2006.01); **E06B 9/264** (2006.01)

CPC (source: EP)
E06B 3/6722 (2013.01); **E06B 9/264** (2013.01); **E06B 2009/2646** (2013.01)

Cited by
GB2267432A; DE19603638A1; DE19603638C2; EP0245811A3; EP0611873A1; US5396944A; FR2672335A1; DE202008015917U1; DE3904763A1; CN102644436A; CN112576174A; EP0902155A1; US6065524A; EP0989279A3; EP4166746A1; US7896056B2; WO2007007308A1; US7481260B2; WO2005066445A1

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

DOCDB simple family (publication)
EP 0109382 A2 19840523; **EP 0109382 A3 19841121**; **EP 0109382 B1 19870506**; AT 382931 B 19870427; AT A385082 A 19860915; DE 3371382 D1 19870611

DOCDB simple family (application)
EP 83890185 A 19831020; AT 385082 A 19821020; DE 3371382 T 19831020