

Title (en)  
TRANSPARENT ROLLER SHUTTER

Title (de)  
TRANSPARENTER ROLLADEN

Title (fr)  
RIDEAU ROULANT TRANSPARENT

Publication  
**EP 2900893 B1 20170906 (FR)**

Application  
**EP 13813242 A 20130703**

Priority  
• FR 1256423 A 20120704  
• FR 2013051568 W 20130703

Abstract (en)  
[origin: WO2014006328A2] A transparent roller shutter (1) comprising an apron that can be wound about a horizontal shaft or drum positioned above said apron, comprising a plurality of transparent horizontal slats hinged together by means of hinge devices (9), the opposing vertical edges of said hinged apron moving in lateral guides or slides, characterised in that each of said slats has a transverse profile curved in shape of which the concavity faces towards the shaft or winding drum when the apron is wound onto said shaft or drum, and in that each slat of the plurality of horizontal slats consists of two or more than two modules or portions of slats that are abutting and are assembled by engagement of the ends of same.

IPC 8 full level  
**E06B 9/15** (2006.01); **E06B 9/58** (2006.01)

CPC (source: EP US)  
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Citation (opposition)  
Opponent : Profilmar  
• EP 0445064 B1 19940518 - JSA SIKRING APS [DK]  
• WO 2011095707 A1 20110811 - VISIONROLL [FR], et al  
• EP 2251522 B1 20111005 - PROFILMAR [FR]  
• KR 20070102130 A 20071018 - KIM JAE YOUNG [KR]  
• US 7357171 B2 20080415 - MILLER JAMES V [US]  
• KR 20090122776 A 20091201 - KIM JIN BONG [KR]  
• US 4345635 A 19820824 - SOLOMON MARTIN D  
• US 6263943 B1 20010724 - LAI MAN-CHI [CN]  
• AU 2009201265 A1 20091029 - AC DC MOTORIZES SOLUTIONS PTY  
• GR 1006384 B 20090507 - KOLLIAS GAVRIIL  
• EP 0354987 A1 19900221 - JANSSEN ANDRE  
• US 4690193 A 19870901 - MORRISON DONALD L [US], et al  
• US 4723588 A 19880209 - RUEPPEL KURT [DE]  
• US 4979553 A 19901225 - LOWRY III JOHN A [US], et al  
• SHUTTER INSTALLATION INSTRUCTIONS VERSION 2, August 2006 (2006-08-01), pages 18, 22 - 23  
• "Gamme de volets roulants destinés à la rénovation, pour fenêtre et porte-fenêtre", LAKAL CATALOGUE, 16 February 2011 (2011-02-16), pages 1 - 22, XP055511874  
• "Volets roulants Bloc Baie, Bloc Baie Aluminium", FLO, June 2012 (2012-06-01)  
• "Volets roulants", FRANCE FERMETURES CATALOGUE, March 2009 (2009-03-01), pages 1 - 12, XP055511875

Cited by  
RU190319U1

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**WO 2014006328 A2 20140109**; **WO 2014006328 A3 20150409**; CA 2876401 A1 20140109; EP 2900893 A2 20150805; EP 2900893 B1 20170906; FR 2992994 A1 20140110; FR 2992994 B1 20170922; US 2015368965 A1 20151224

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