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- (71) Applicant (for all designated States except US): WMS GAMING INC. [US/US]; 800 S. Northpoint Boulevard, Waukegan, Illinois 60085 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DURHAM, Timothy, J. [US/US]; 630 N. Taylor Street, Oak Park, Illinois 60302 (US). GAGNER, Mark, B. [US/US]; 30W515 Diversey Parkway, West Chicago, Illinois 60185 (US). RASMUSSEN, James, M. [US/US]; 5552 N. Mason Avenue, Chicago, Illinois 60630 (US). THOMAS, Alfred [US/US]; 2385 E. Windmill, #247, Las Vegas, Nevada 89123 (US). AREZINA, Vladimir, I. [US/US]; 4011 W. Grace Street, Chicago, Illinois 60641 (US). CANTERBURY, Stephen, A. [US/US]; 40570 Lilac Place, Antioch, Illinois 60002 (US). MERCADO, Victor [US/US]; 3110 S. Wesley Avenue, Berwyn, Illinois 60402 (US). RALSTON, Samuel, D. [US/US]; 1431 N. Levitt #1, Chicago, Illinois 60622 (US). FITZSIMONS, Matthew, R. [US/US]; 913 Barbara Street, Lake in the Hills, Illinois 60156 (US).

- (74) Agent: BURNHAM, Daniel, J.; Nixon Peabody LLP, 161 N. Clark Street, 48th floor, Chicago, Illinois 60601-3213, (US).
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#### **Declarations under Rule 4.17:**

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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#### (54) Title: WAGERING GAME WITH SIMULATED MECHANICAL REELS

(57) Abstract: A gaming machine for playing a wagering game includes a housing having a display region, a curved transparent layer located in the display region, and a video display. The video display is located behind the transparent layer for projecting moving images onto the transparent layer. The images including a plurality of symbols that indicate a randomly selected outcome of the wagering game. The curved transparent layer can be moving as well. Environmental mapping may be used to sense the location of the player and/or the ambient lighting surrounding the gaming machine and alter the images based on the sensing. The altering may include spectral highlights, shading, and the parallax effect. The video images may further include imperfections normally found in mechanical reel strips. The gaming machine provides video images that more closely simulate the look of traditional mechanical reels.



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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
Y US 2005/0153775 A1 (Griswald et al) 14 July 2005 (	14.07.2005), full text.	1-41
Y US 2006/0100013 A1 (Enzminger) 11 May 2006 (11	US 2006/0100013 A1 (Enzminger) 11 May 2006 (11.05.2006), full text.	
Y US 2003/0119577 A1 (Montegi et al) 26 June 2003 (	US 2003/01 19577 A1 (Montegi et al) 26 June 2003 (26.06.2003), full text.	
Y US 2004/0053685 A1 (Seelig et al) 18 March 2004 (18.03.2004), full text.		16
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