

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE OFFICE OF THE UNDERSECRETARY AND DIRECTOR OF  
THE UNITED STATES PATENT AND TRADEMARK OFFICE

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VOLKSWAGEN GROUP OF AMERICA, INC.,  
Petitioner,

v.

CARUCEL INVESTMENTS, L.P.,  
Patent Owner.

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IPR2019-01101 (Patent 7,221,904 B1)  
IPR2019-01102 (Patent 7,848,701 B2)  
IPR2019-01103 (Patent 7,979,023 B2)  
IPR2019-01105 (Patent 8,718,543 B2)

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Before ANDREW HIRSHFELD, *Commissioner for Patents, Performing the  
Functions and Duties of the Under Secretary of Commerce for Intellectual  
Property and Director of the United States Patent and Trademark Office.*

ORDER

IPR2019-01101 (Patent 7,221,904 B1)  
IPR2019-01102 (Patent 7,848,701 B2)  
IPR2019-01103 (Patent 7,979,023 B2)  
IPR2019-01105 (Patent 8,718,543 B2)

The Office has received a request for Director review of the Final Written Decision in each of the above-captioned cases. Ex. 3100. The requests were referred to Mr. Hirshfeld, Commissioner for Patents, Performing the Functions and Duties of the Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office.

It is ORDERED that the request for Director review in each case is denied;  
and

FURTHER ORDERED that the Patent Trial and Appeal Board's Final Written Decision in each case is the final decision of the agency.

IPR2019-01101 (Patent 7,221,904 B1)  
IPR2019-01102 (Patent 7,848,701 B2)  
IPR2019-01103 (Patent 7,979,023 B2)  
IPR2019-01105 (Patent 8,718,543 B2)

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