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(12) **United States Patent**  
**Hayotte**

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(54) **MOTOR VEHICLE DOOR MODULE  
COMPRISING A WINDOW REGULATOR  
SYSTEM**

(58) **Field of Classification Search**  
CPC ..... B60J 5/0416; E05F 15/00; E05F 11/382  
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See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
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(57) **ABSTRACT**

(51) **Int. Cl.**  
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The invention relates to a door module (1) of the type formed  
by a single part and from a single injected material, which  
module comprises a substantially flat supporting face (2) and  
at least one guide rail (34) of a window regulator system, said  
rail (34) being intended to guide and maintain a motor vehicle  
window supporting device (32). The rail (34) forms at least  
part of one of one of the side end parts (4) of the supporting  
face (2), said rail (34) extending continuously with the rest of  
the module (1) and forming a projection (40) in relation to the  
supporting face (2). The rail (34) extends in at least two planes  
different from the plane of the supporting face (2).

(52) **U.S. Cl.**  
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