



VEHICLE SEAT TRACK ASSEMBLY

BACKGROUND OF THE INVENTION

5 This invention relates to vehicle seat track assemblies and more particularly to improvements in the guiding elements and locking assemblies embodied in vehicle seat track assemblies.

10 Seat track assemblies are conventional equipment in adjustable vehicle seats. Usually, there are two seat track assemblies utilized to adjustably support a single vehicle seat. Each seat track assembly comprises basically a pair of track structures, a set of rolling elements and a
15 set of guide elements. The rolling elements are utilized to rollingly support a movable one of the track structures on a fixed one of the track structures. The fixed track structure is fixed to the vehicle floor and the movable track
20 structure supports a portion of the vehicle seat. The rolling support provided by the rolling elements enables the movable track structure with the seat attached to be moved fore and aft into a multiplicity of adjusted positions. The guide
25 elements are provided to prevent relative vertical movement between the track structures in a direction tending to separate them vertically.

The adjustment can be effected either by power actuation or manually. The power actuating
30 mechanism utilized usually functions to retain the seat in any position of adjustment into which it has moved the seat. Manual actuation

