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(54) **Feature guided profile restoration grinder apparatus**

(57) A surface machining mechanism 30 modifies a repair segment 24 of a body 10 having a contoured surface 12. The surface machining mechanism 30 includes a frame assembly 32 and one or more guide members 45 for supporting the frame assembly 32 on the contoured surface 12. The guide members 45 mate with the contoured surface 12 and are movable along the contoured surface 12 to guide the frame assembly 32. A machining

apparatus 50 is supported by the frame assembly 32. The machining apparatus 50 engages the repair segment 24 of the body (10) as the machining apparatus 50 is moved along the contoured surface 12. A method of modifying a repair segment 24 of a body 10 having a contoured surface 12 with the surface machining mechanism 30 is also provided.

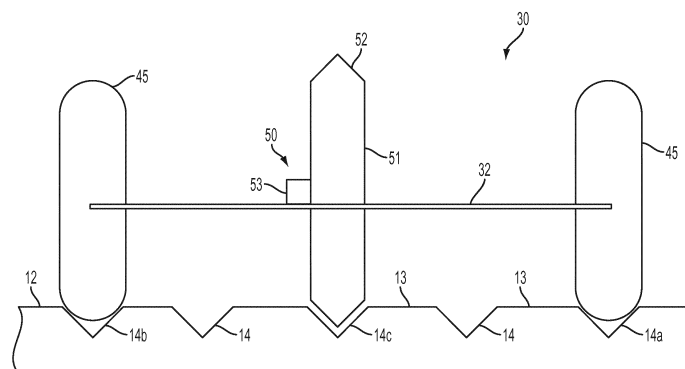


FIG. 3



EUROPEAN SEARCH REPORT

Application Number
EP 14 15 7656

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 August 2014	Examiner Koller, Stefan
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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