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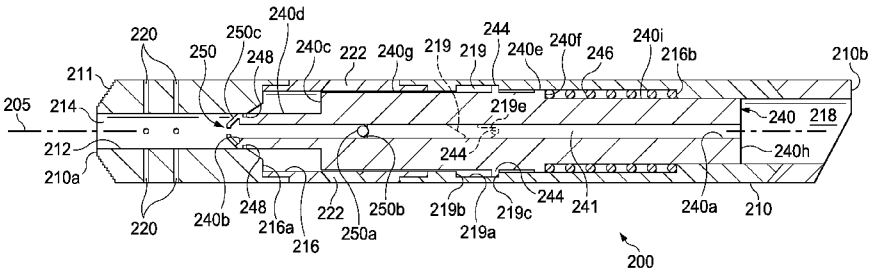
— *with international search report (Art. 21(3))*

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(88) **Date of publication of the international search report**:
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(54) **Title**: WELLBORE SERVICING ASSEMBLIES AND METHODS OF USING THE SAME

FIG. 2



(57) **Abstract**: An apparatus for servicing a wellbore comprising a housing defining an axial flowbore and comprising high-pressure ports, high-volume ports, and a mandrel slidably positioned within the housing, the mandrel defining a mandrel axial flowbore and being alternatingly movable from a first position to a second position and to a third position, wherein, when the mandrel is in the second position, a route of fluid communication via the high-pressure ports is provided and a route of fluid communication via the high-volume ports is obstructed, wherein, when the mandrel is in the third, position, a route of fluid communication via the high-volume ports is provided, and wherein the apparatus is transitionable from the second position to the third position without communicating an obturating member to the apparatus, without removing an obturating member from the apparatus, or combinations thereof.

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	US 2005/263284 A1 (JUSTUS DONALD M [US]) 1 December 2005 (2005-12-01) abstract; figures 1-2,4 paragraphs [0018] - [0021], [0023] - [0026], [0039] - [0040]	1,9-14, 20-22
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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Brassart, P

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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