



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**15.03.2017 Bulletin 2017/11**

(51) Int Cl.:  
**F41A 9/22 (2006.01)** **F41A 9/42 (2006.01)**  
**F41A 9/39 (2006.01)**

(43) Date of publication A2:  
**10.09.2014 Bulletin 2014/37**

(21) Application number: **14157615.7**

(22) Date of filing: **04.03.2014**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**

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(30) Priority: **04.03.2013 US 201313784359**

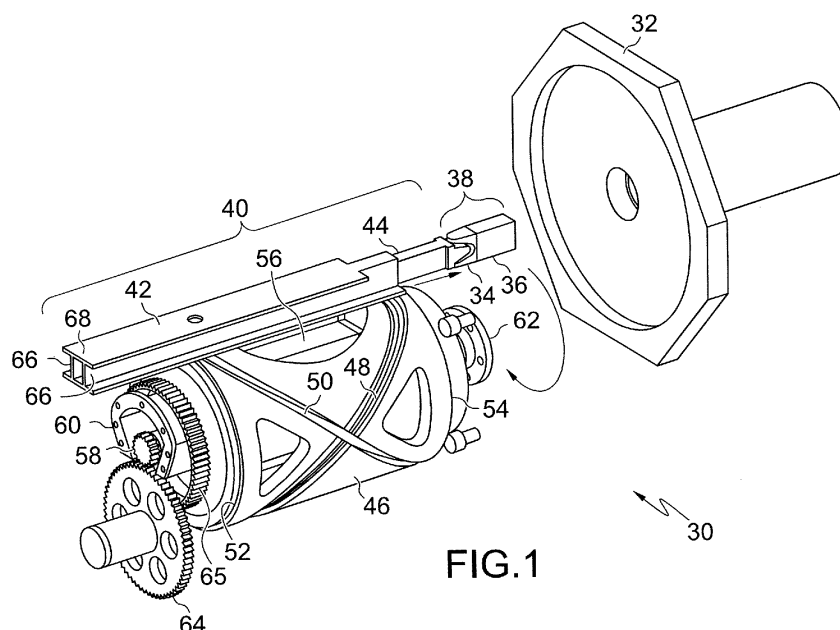
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(54) **Loading device**

(57) A loading machine (30) includes a drum cam (46) configured to rotate and having a cam path (48,50). A first track is positioned proximate the drum cam (46). A rammer subassembly (40) is engaged with the drum cam (46) and the first track. The rammer subassembly (40) is configured to move between an extended position and a retracted position as the drum cam (46) rotates. The rammer subassembly (40) has a first rammer section (42) engaged with the cam path (46) and configured to

move longitudinally during rotation of the drum cam (46). The first rammer section (42) includes a first gear engaged with the first track such that longitudinal movement of the first rammer section (42) causes rotation of the first gear. A second rammer section (44) is telescopically coupled with the first rammer section (42) and is engaged with the first gear such that rotation of the first gear causes the second rammer section (44) to telescopically move with respect to the first rammer section (42).



**FIG.1**



## EUROPEAN SEARCH REPORT

 Application Number  
 EP 14 15 7615

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| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                       |                                  |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Citation of document with indication, where appropriate, of relevant passages                                                                                                         | Relevant to claim                | CLASSIFICATION OF THE APPLICATION (IPC) |
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| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                       |                                  |                                         |
| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                       | Date of completion of the search | Examiner                                |
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 EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 15 7615

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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