(54) Title: METHOD AND APPARATUS FOR NON-INTERRUPTED GRINDING OF RAILROAD CROSSING AND MAIN LINE TRACK

(57) Abstract: A system for the grinding of unencumbered and encumbered sections of rail (80) includes a locomotive (52) that pulls a first and a second grinding module (82, 84). The first grinding module (82) is movable between a first and a second position. In the first position, the first grinding module (82) is presented at angle enabling grinding of unencumbered section of rail (80) while in the second position, the first grinding module (82) is presented at an able enabling grinding of the encumbered section of rail (80). The locomotive (52) continues in non-stop forward motion while the first grinding module (82) is moved back and forth between its first and second positions. The second grinding module (84) is generally used only for grinding of encumbered rail sections and is used with the first grinding module (82) in its second position.
(88) Date of publication of the international search report:
26 February 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

<table>
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<tr>
<th>IPC(7)</th>
<th>US CL</th>
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<tr>
<td>E 01 B 27/17, 11/44, 31/18</td>
<td>104/2, 8, 15</td>
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</table>

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S.: 104/2, 8, 15

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)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tbody>
<tr>
<td>X</td>
<td>US 3,707,808 A (Danko et al) 02 January 1973 (02.01.1973), whole document.</td>
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<tr>
<td>X</td>
<td>US 4,583,327 A (Jaeggi) 22 April 1986 (22.04.1986), whole document.</td>
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<td>X</td>
<td>US 4,584,798 A (Rivioire) 29 April 1986 (29.04.1986), whole document.</td>
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<tr>
<td>X</td>
<td>US 4,829,723 A (Bull et al) 16 May 1989 (16.05.1989), whole document.</td>
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<td>A</td>
<td>US 5,437,233 A (Richter) 01 August 1995 (01.08.1995), whole document.</td>
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</tbody>
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Date of the actual completion of the international search: 30 December 2002 (30.12.2002)

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