METHOD AND APPARATUS FOR CONTINUOUSLY HARVESTING GRAIN

A wheel mounted grain harvester includes a harvesting head for depositing grain in a grain handling assembly comprising a plurality of grain moving parts. Control means are located on the harvester for selectively interrupting grain flow along the grain moving parts causing harvested grain from a new separate row segment to temporarily accumulate. Means are provided for transporting the harvested grain from separate row segments into separate collection bins permit the separate evaluation of the harvested grain in each row segment. Means are provided for moving the harvester along the row at a constant rate of speed to avoid the necessity of stopping the harvester between row segments to effect the separate evaluation of the harvested grain. The selective interruption by the control means is accomplished by either interrupting at least one of the grain moving parts or by selectively closing a movable blocking wall mounted on the harvester.

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 25 November 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

**International application No.**
PCT/US04/02057

#### A. CLASSIFICATION OF SUBJECT MATTER

<table>
<thead>
<tr>
<th>IPC(7)</th>
<th>US CL</th>
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<td>A01D 34/03</td>
<td>56/1</td>
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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.: 56/1, 10.2R, 16.4R, 16.6, 153, 219, DIG15; 460/23, 119

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)

- USPAT; US-PGPUB; EPO; IPO; DERWENT

#### 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>Y</td>
<td>US 4,177,628 A (BRANDT) 11 December 1979 (11.12.1979), see entire document.</td>
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<tr>
<td>Y</td>
<td>US 3,772,862 A (WILSON) 20 November 1973 (20.11.1973), see entire document.</td>
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<td>Y</td>
<td>US 3,798,884 A (MIDDLETON) 26 March 1974 (26.03.1974), see entire document.</td>
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Further documents are listed in the continuation of Box C.  See patent family annex.

- **"A"** document defining the general state of the art which is not considered to be of particular relevance
- **"E"** earlier application or patent published on or after the international filing date
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- **"&"** document member of the same patent family

Date of the actual completion of the international search: 16 July 2004 (16.07.2004)

Date of mailing of the international search report: 21 SEP 2004

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Form PCT/ISA/210 (second sheet) (July 1998)