

## ŪS006415590B1

# (12) United States Patent Lohrentz

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### (54) DOUBLE WINDROW ATTACHMENT LIFT MECHANISM FOR HARVESTERS

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U.S.C. 154(b) by 0 day.

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(51) Int. Cl.<sup>7</sup> ...... A01D 43/00 **U.S. Cl.** ...... **56/192**; 56/14.9 (52)

(58) **Field of Search** ...... 56/378, 14.5, 14.9,

56/16.4 R, DIG. 21, 193, 192, 15.5, 15.9, 10.7, 10.6, 10.8, 11.9

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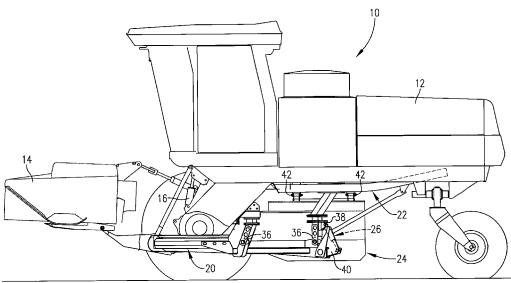
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**ABSTRACT** 

A hay harvester has a double windrow cross-conveyor supported rearwardly of the harvesting header to receive a stream of conditioned crop materials from the header and transport the same laterally to an outboard position. A deflector adjacent the discharge end of the conveyor is maintained in a lowered position to direct materials to the ground to form a first windrow during a first pass and is then placed in a raised position during a return pass so as to allow the stream discharging from the cross-conveyor to be deposited close to the first windrow, thus forming a double windrow. The cross-conveyor is hingedly affixed to the vehicle in such a manner that the normally tilted down, lower front edge of the cross-conveyor can be raised up into a transport position for higher ground clearance or to switch to single swathing. The header and cross-conveyor are preferably plumbed in a parallel fluid flow relationship so that they are raised or lowered simultaneously.

### 23 Claims, 4 Drawing Sheets



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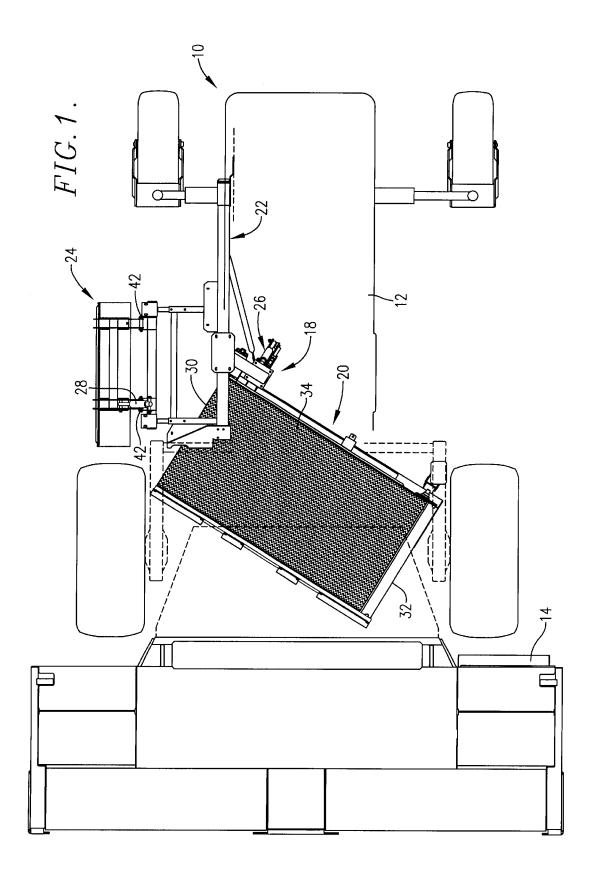
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Exhibit 1016

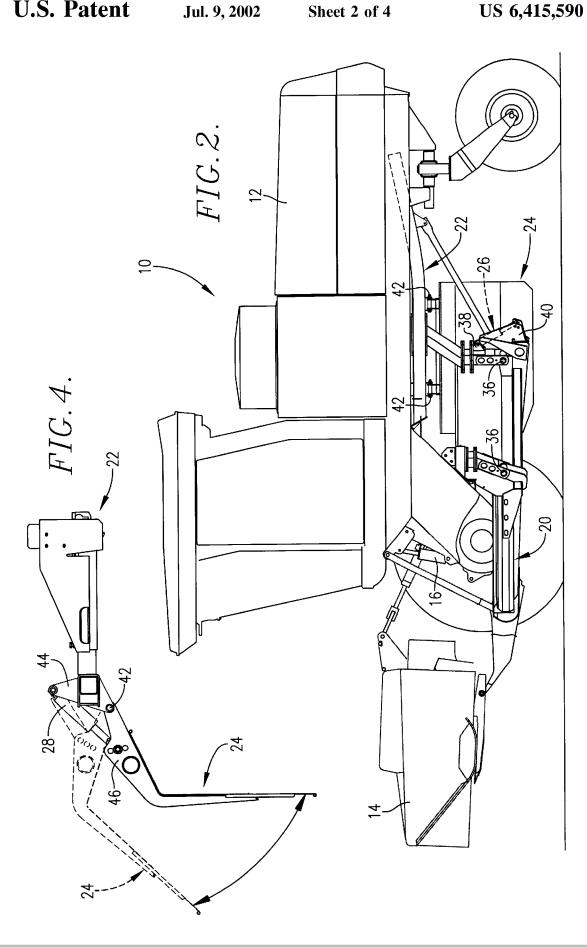
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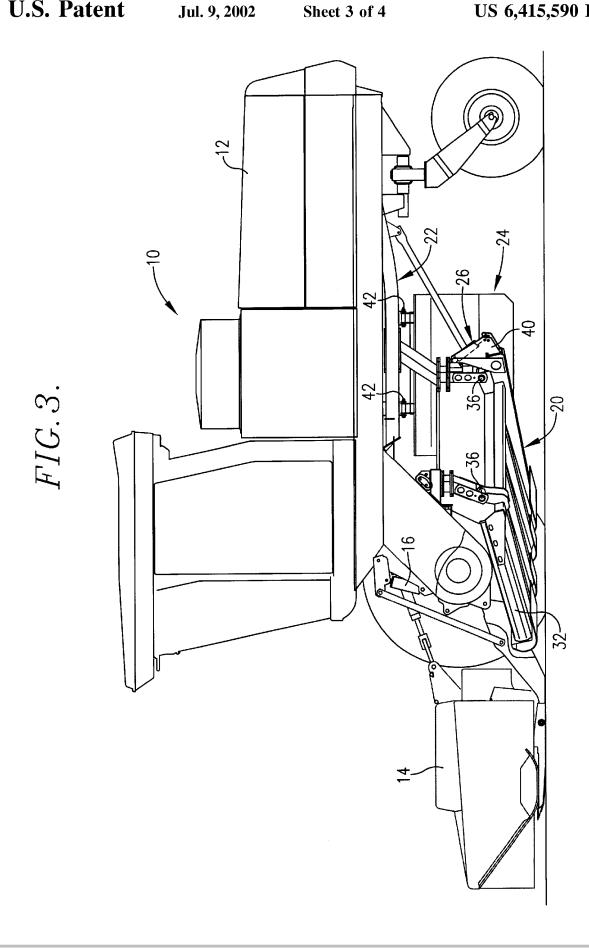




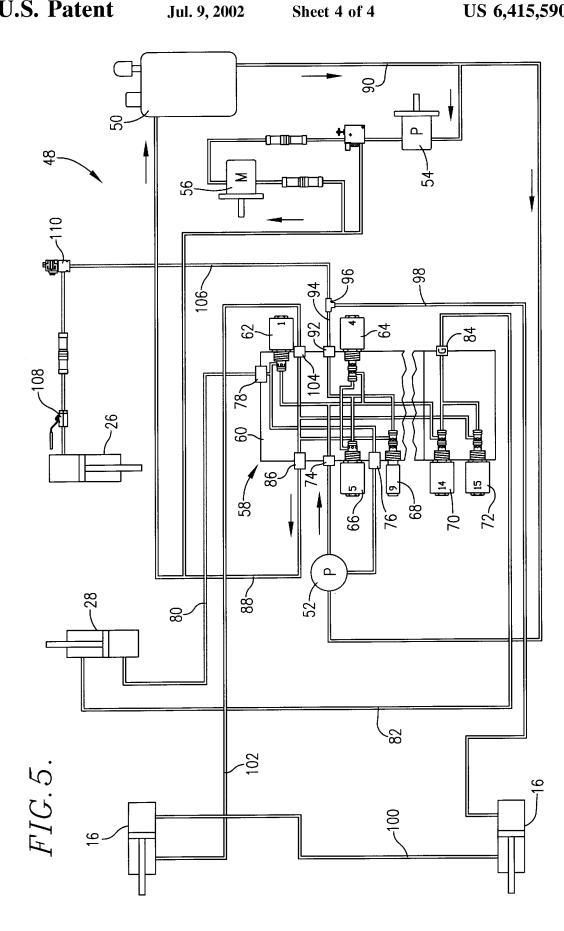












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