

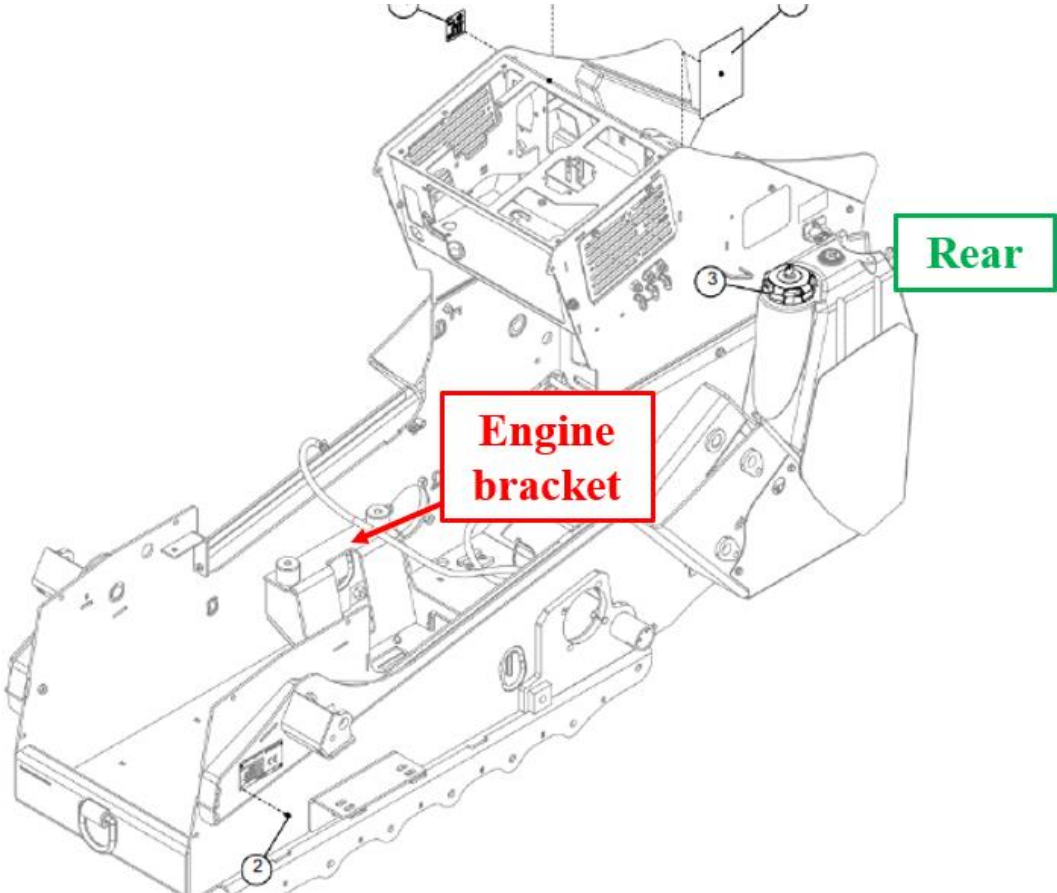
U.S. Patent 9,321,386

Comparing the Vermeer CTX100 to Independent Claim 50

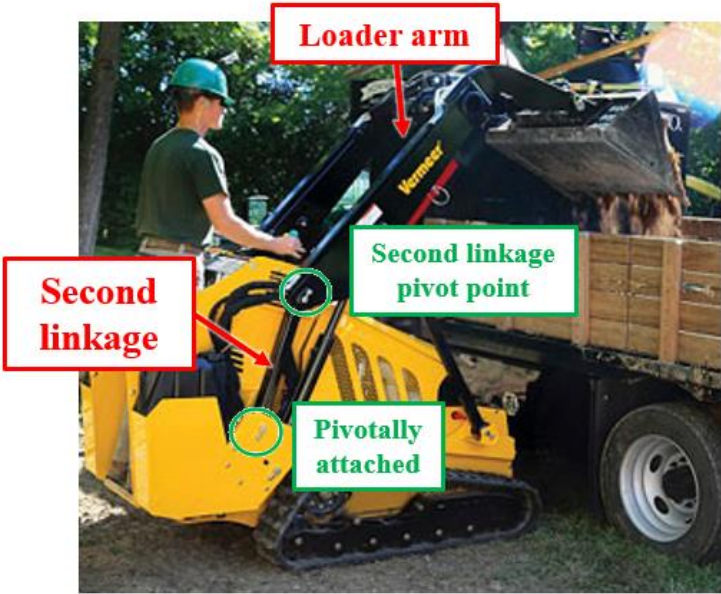
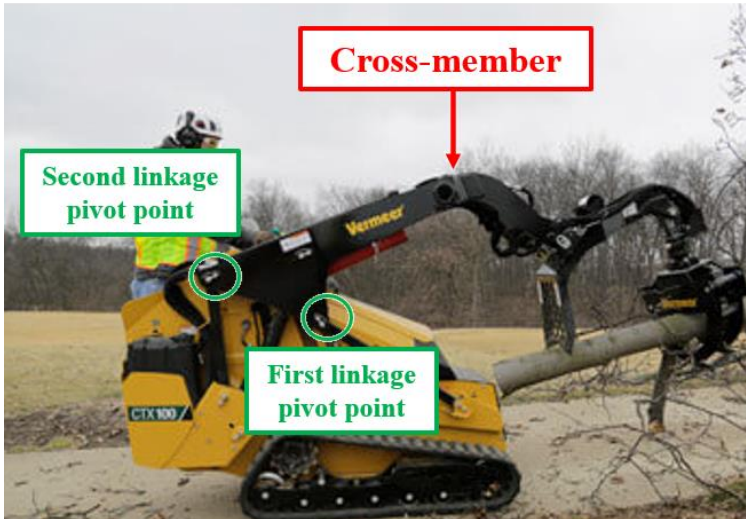
Claim 50 of the '386 Patent	Vermeer CTX100
50. A compact tool carrier configured for standing or walk-behind operator control and having a longitudinal axis and a mass of less than about 1500 kg, the compact tool carrier comprising:	 GENERAL Length with standard bucket: 111.5" (283.2 cm) Length without standard bucket: 89.5" (227.3 cm) Width with standard bucket 7" (17.8 cm) tracks: 42" (106.7 cm) Width without standard bucket 7" (17.8 cm) tracks: 36" (91.4 cm) Height: 58" (147.3 cm) Height (to hinge pin): 88" (223.5 cm) Weight 9" (22.9 cm) tracks: 3400 lb (1542.2 kg) <u>Weight 7" (17.8 cm) tracks: 3380 lb (1533.1 kg)</u> Ground pressure (narrow track): 5.3 psi (36.5 kPa) Ground pressure (wide track): 4.2 psi (29 kPa) Ground clearance: 6.75" (17.1 cm)

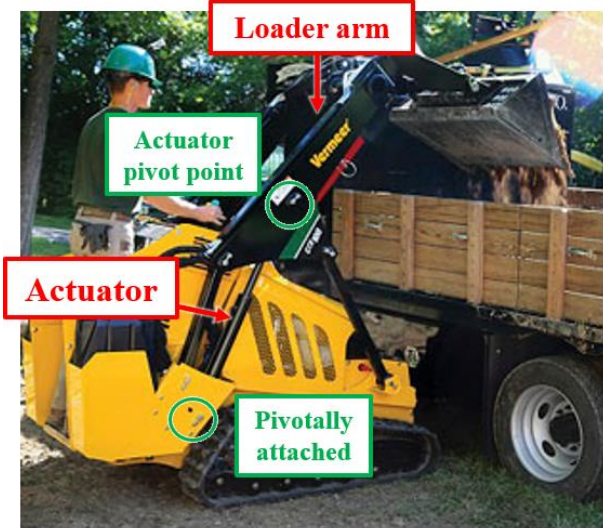
Claim 50 of the '386 Patent	Vermeer CTX100
a loader adapted to carry a tool, the loader comprising: a first loader arm; a second loader arm; and at least one cross-member that extends from the first loader arm to the second loader arm;	 The top photograph shows a side view of the Vermeer CTX100 loader. It is a yellow tracked machine with a black loader arm assembly. Three red labels with arrows point to specific parts: 'Cross-member' points to the horizontal bar connecting the two arms, 'Second loader arm' points to the upper arm, and 'First loader arm' points to the lower arm. The bottom photograph is a close-up of the loader's pivot point and hydraulic system, with a red label 'Cross-member' pointing to the structural link between the arms.

Claim 50 of the '386 Patent	Vermeer CTX100
a mainframe for supporting the loader, the mainframe having a first side and a second side, and having a front end and a rear end relative to the longitudinal axis,	 The image consists of two photographs of a Vermeer CTX100 skid steer loader. The top photograph shows the loader from a side-rear perspective, with a person operating it to load a wooden trailer. A red label 'Loader' with an arrow points to the lifting arm, and another red label 'Mainframe first side' with an arrow points to the side of the yellow mainframe. The bottom photograph shows the loader from a front-three-quarter perspective. A green label 'Front end' with an arrow points to the front of the machine, a green label 'Rear end' with an arrow points to the back, and a red label 'Mainframe second side' with an arrow points to the opposite side of the mainframe.

Claim 50 of the '386 Patent	Vermeer CTX100
the mainframe comprising an engine bracket that extends from the first side toward the second side for mounting an engine to the mainframe, the engine bracket being spaced from the rear end of the mainframe,	 The diagram is an exploded perspective view of the Vermeer CTX100 mainframe. It shows the mainframe chassis with various components. A red arrow points to a bracket labeled 'Engine bracket' in a red box. A green box labeled 'Rear' points to the rear end of the mainframe. A circled number '2' is located at the bottom left of the mainframe, and a circled number '3' is located near the rear end.

Claim 50 of the '386 Patent	Vermeer CTX100
the first loader arm not being directly attached to the mainframe;	 This diagram shows a yellow Vermeer CTX100 skid steer loader. A red box labeled "Loader arm" points to the black hydraulic arm. A red box labeled "Mainframe" points to the yellow body of the machine. A green box labeled "Not directly attached" with a green arrow points to the connection between the mainframe and the loader arm, indicating that the arm is not directly attached to the mainframe.
a first linkage pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm at a first linkage pivot point;	 This diagram shows the same Vermeer CTX100 skid steer loader. A red box labeled "Loader arm" points to the black hydraulic arm. A red box labeled "First linkage" points to a black linkage arm. A green box labeled "First linkage pivot point" with a green circle highlights the pivot point where the first linkage is attached to the mainframe. Another green box labeled "Pivotally attached" with a green circle highlights the pivot point where the first linkage is attached to the loader arm.

Claim 50 of the '386 Patent	Vermeer CTX100
a second linkage pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm at a second linkage pivot point,	
each cross-member being disposed forward of the first linkage pivot point and the second linkage pivot point;	

Claim 50 of the '386 Patent	Vermeer CTX100
an actuator pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm at an actuator pivot point;	 The image shows a yellow Vermeer CTX100 skid steer loader with a black loader arm. A worker in a green shirt and hard hat is operating the machine. Red arrows point to the 'Loader arm' and 'Actuator'. Green circles highlight the 'Actuator pivot point' and a 'Pivotaly attached' point on the mainframe.
a control station having operator controls for propelling the compact tool carrier forward and for raising and lowering the loader, the control station being mounted toward the rear of the compact tool carrier and adapted to allow for standing or walk-behind operation; and	 The image shows the same Vermeer CTX100 skid steer loader from a different angle, focusing on the operator's control station. A red arrow points to the 'Control station' located at the rear of the machine.

Claim 50 of the '386 Patent	Vermeer CTX100
an operator platform for standing operation of the operator controls of the control station.	 Operator platform