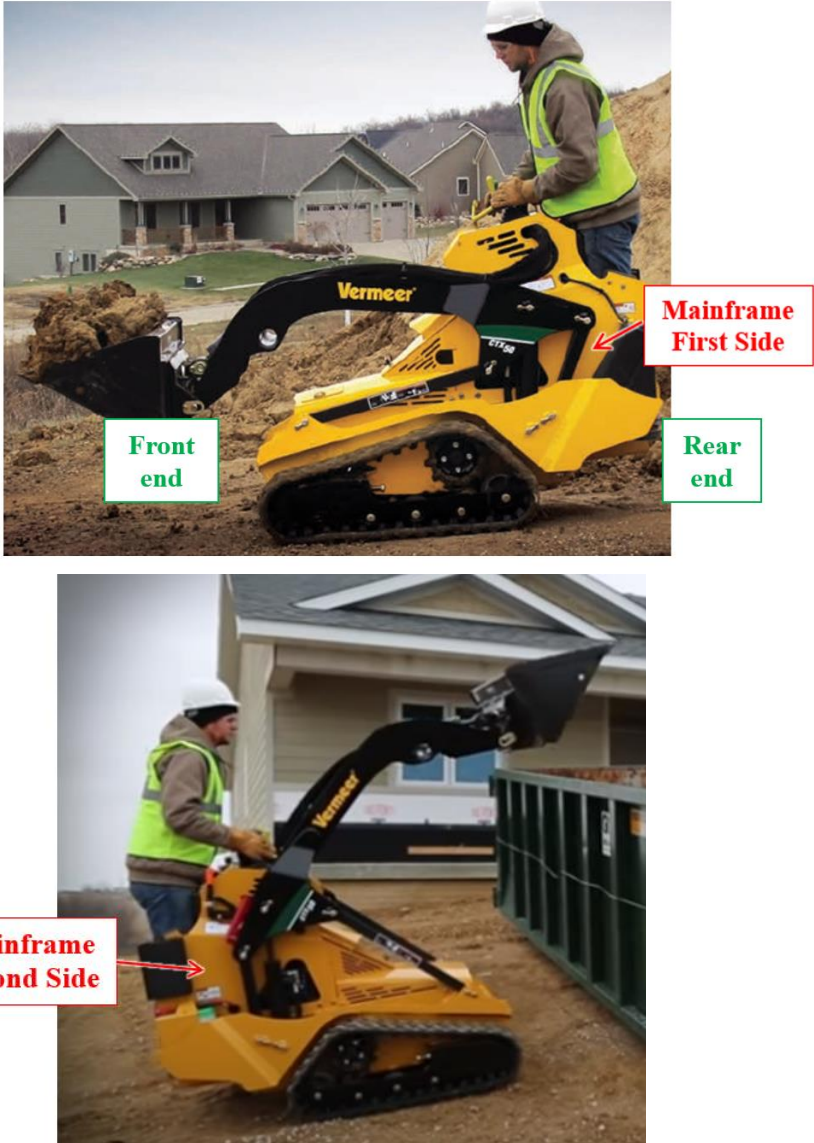


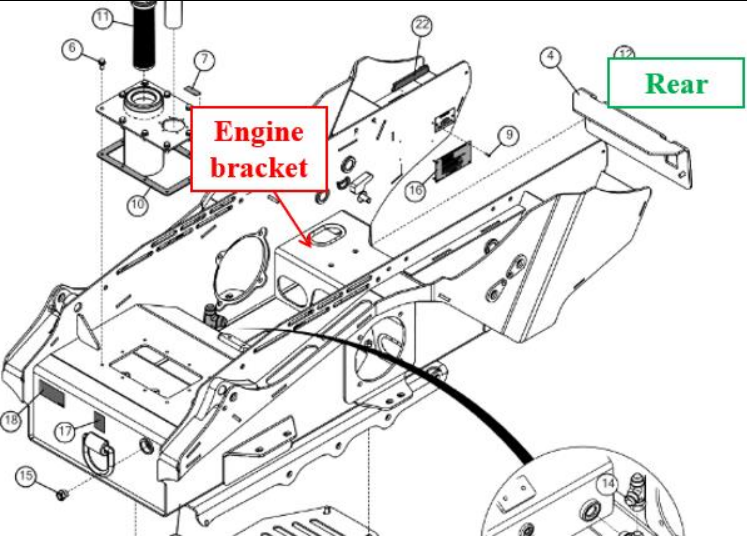
U.S. Patent 9,321,386

Comparing the Vermeer CTX50 to Independent Claims 31, 38, 45, 70, 74, 78, and 86

Claim 31 of the '386 Patent	Vermeer CTX50
<p>31. 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:</p>	<div><p>CTX50 MINI SKID STEER</p><p>GENERAL</p><p>Length: 75" (190.5 cm)</p><p>Width: 35.5" (90.2 cm)</p><p>Height: 54.5" (138.4 cm)</p><p>Weight: 2100 lb (952.5 kg)</p><p>Hinge pin height: 72" (182.9 cm)</p><p>Ground clearance: 6" (15.2 cm)</p><p>Ground pressure: 4.5 psi (31.0 kPa)</p></div>
<p>a loader adapted to carry a tool, the loader being moveable between a down position and a vertically raised position,</p>	<div></div>

Claim 31 of the '386 Patent	Vermeer CTX50
<p>the loader comprising: a first loader arm; a second loader arm; and</p>	
<p>at least one cross-member that extends from the first loader arm to the second loader arm;</p>	

Claim 31 of the '386 Patent	Vermeer CTX50
<p>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,</p>	 <p>The top photograph shows a yellow Vermeer CTX50 compact track loader operating on a dirt mound. A worker in a white hard hat and high-visibility vest is seated on the machine. Labels include 'Front end' in a green box pointing to the front of the loader, 'Mainframe First Side' in a red box with an arrow pointing to the right side of the mainframe, and 'Rear end' in a green box pointing to the rear of the loader. The bottom photograph shows the same loader from a different angle, positioned next to a green storage bin. A label 'Mainframe Second Side' in a red box with an arrow points to the left side of the mainframe.</p>

Claim 31 of the '386 Patent	Vermeer CTX50
<p>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,</p>	
<p>the first loader arm not being directly attached to the mainframe;</p>	

Claim 31 of the '386 Patent	Vermeer CTX50
<p>a linkage pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm;</p>	 <p>The photograph shows a yellow Vermeer CTX50 compact track loader operating on a dirt site. A worker in a high-visibility vest is seated on the machine. The loader's boom is raised, carrying a bucket of dirt. Red arrows point from text labels to specific components: 'Loader arm' points to the boom, 'Linkage' points to the hydraulic cylinder, and two 'Pivotally attached' labels point to the pivot points on the boom and the mainframe.</p>

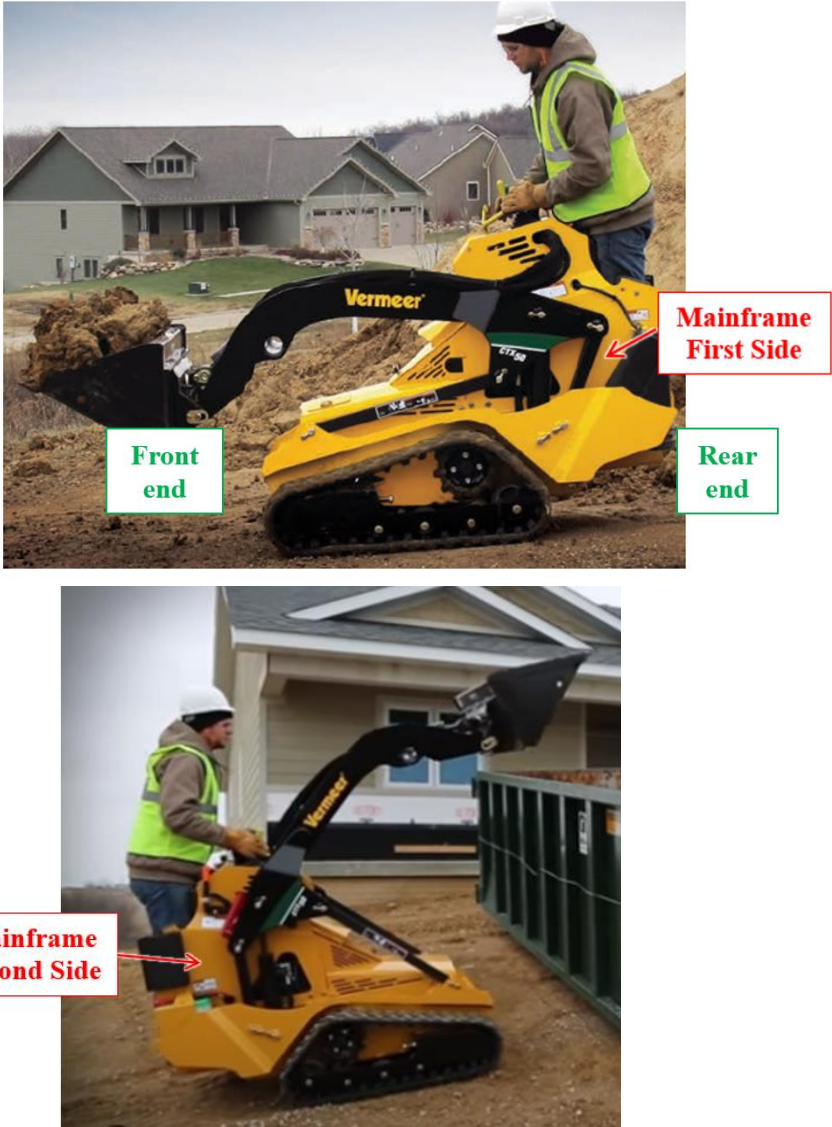
Claim 31 of the '386 Patent	Vermeer CTX50
<p>an actuator pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm;</p>	 <p>The top photograph shows a Vermeer CTX50 skid steer loader in operation, lifting a bucket of dirt. A worker in a hard hat and safety vest is visible. Red arrows point to the 'Loader arm' and the 'Actuator' (hydraulic cylinder) connecting it to the mainframe. Green arrows point to the pivot points, labeled 'Pivotally attached'. The bottom photograph shows the same loader with a green H-10 container attached to its rear. A red box highlights the 'Actuator' (hydraulic cylinder) on the mainframe.</p>

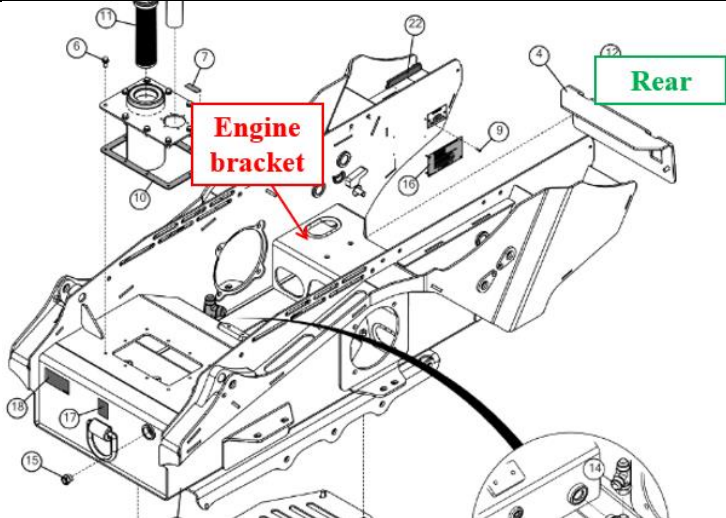
Claim 31 of the '386 Patent	Vermeer CTX50
<p>a control station having operator controls for propelling the compact tool carrier forward and for raising and lowering the loader, the control station being mounted toward the rear of the compact tool carrier and adapted to allow for standing operation,</p>	 <p>A photograph of a yellow Vermeer CTX50 compact track loader. An operator in a high-visibility vest and hard hat is standing at the control station, which is located at the rear of the machine. A red label with the text "Control station having operator controls" and a red arrow points to the control station.</p>
<p>each cross-member being disposed forward of the control station in the vertically raised position of the loader; and</p>	 <p>Two photographs of the Vermeer CTX50. The left photograph shows the loader with its bucket raised, and a red label "Cross-member" with an arrow points to the vertical support structure. The right photograph shows the loader from a side angle, with two red labels: "Cross-member" pointing to the vertical support structure and "Control station" pointing to the operator's position.</p>

Claim 31 of the '386 Patent	Vermeer CTX50
<p>an operator platform for standing operation of the operator controls of the control station.</p>	 <p>The image shows a yellow Vermeer CTX50 compact track loader in operation. A person wearing a white hard hat and a high-visibility yellow safety vest is standing on the operator platform, which is a raised, enclosed structure with a control station. The loader is equipped with a black bucket and is working on a dirt surface. In the background, there are residential houses. A red arrow points to the operator platform, and a white box with the text 'Operator platform' is overlaid on the image.</p>

Claim 38 of the '386 Patent	Vermeer CTX50
<p>38. 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:</p>	<div data-bbox="762 277 1299 802">  </div> <div data-bbox="1331 363 1764 412"> <h3>CTX50 MINI SKID STEER</h3> </div> <div data-bbox="1331 444 1457 477"> <p>GENERAL</p> </div> <div data-bbox="1331 488 1808 781"> <p>Length: 75" (190.5 cm)</p> <p>Width: 35.5" (90.2 cm)</p> <p>Height: 54.5" (138.4 cm)</p> <p>Weight: 2100 lb (952.5 kg)</p> <p>Hinge pin height: 72" (182.9 cm)</p> <p>Ground clearance: 6" (15.2 cm)</p> <p>Ground pressure: 4.5 psi (31.0 kPa)</p> </div>
<p>a loader being adapted to carry a tool,</p>	<div data-bbox="921 816 1644 1421">  </div>

Claim 38 of the '386 Patent	Vermeer CTX50
<p>the loader comprising; a first loader arm; a second loader arm; and</p>	
<p>a single cross-member that extends from the first loader arm to the second loader arm;</p>	

Claim 38 of the '386 Patent	Vermeer CTX50
<p>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,</p>	

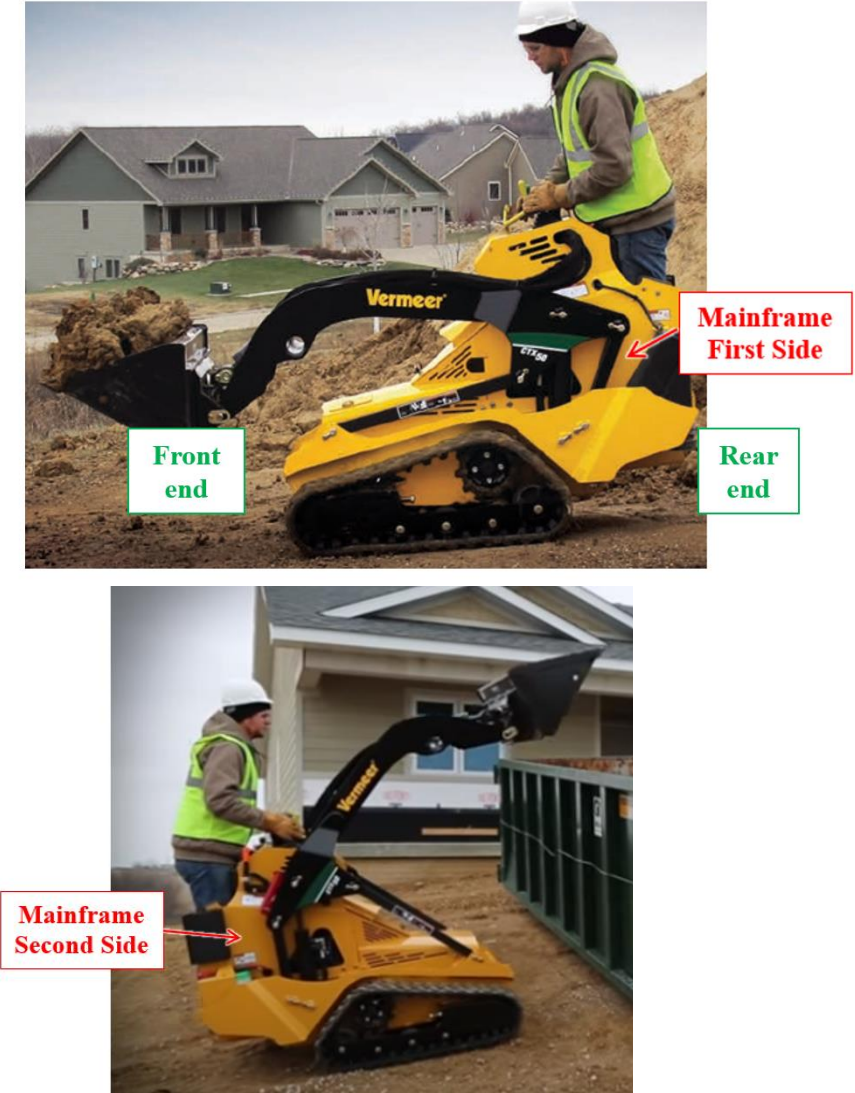
Claim 38 of the '386 Patent	Vermeer CTX50
<p>the mainframe comprising an engine bracket that extends from the first side toward the second side for mounting an engine to the mainframe, the engine bracket being spaced from the rear of the mainframe,</p>	
<p>the first loader arm not being directly attached to the mainframe;</p>	

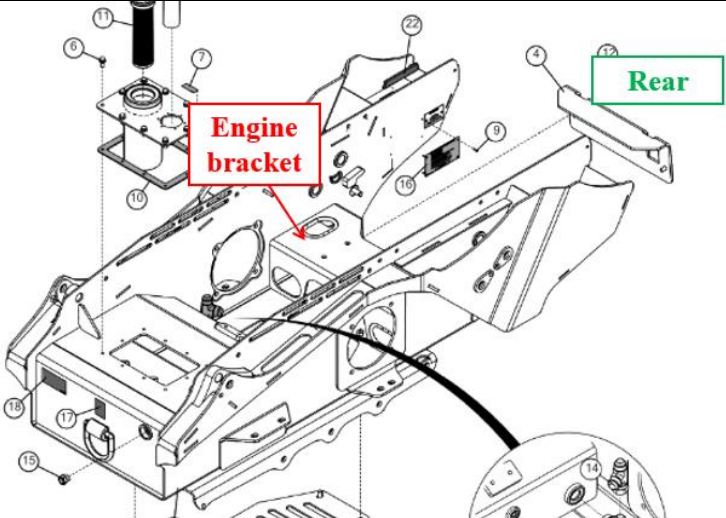
Claim 38 of the '386 Patent	Vermeer CTX50
<p>a linkage pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm;</p>	 <p>The image shows a yellow Vermeer CTX50 compact track loader operating on a dirt site. A worker in a high-visibility vest is seated on the machine. The loader's boom is raised, carrying a bucket filled with dirt. Red arrows and boxes highlight the 'Loader arm' and the 'Linkage' (hydraulic cylinder). Green arrows and boxes highlight the 'Pivotally attached' points at the joints between the boom and the mainframe, and between the bucket and the boom.</p>

Claim 38 of the '386 Patent	Vermeer CTX50
<p>an actuator pivotally attached to the first side of the mainframe and pivotally attached to the first loader arm;</p>	

Claim 38 of the '386 Patent	Vermeer CTX50	
<p>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 operation; and</p>		 <p>Control station having operator controls</p>
<p>an operator platform for standing operation of the operator controls of the control station.</p>		 <p>Operator platform</p>

Claim 45 of the '386 Patent	Vermeer CTX50	
<p>45. 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:</p>		<p>CTX50 MINI SKID STEER</p> <p>GENERAL</p> <p>Length: 75" (190.5 cm)</p> <p>Width: 35.5" (90.2 cm)</p> <p>Height: 54.5" (138.4 cm)</p> <p>Weight: 2100 lb (952.5 kg)</p> <p>Hinge pin height: 72" (182.9 cm)</p> <p>Ground clearance: 6" (15.2 cm)</p> <p>Ground pressure: 4.5 psi (31.0 kPa)</p>
<p>a loader having an arm, the loader being adapted to carry a tool;</p>		

Claim 45 of the '386 Patent	Vermeer CTX50
<p>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,</p>	 <p>The top photograph shows a yellow Vermeer CTX50 skid steer loader operating on a dirt mound. A worker in a hard hat and safety vest is seated on the machine. Labels include 'Front end' pointing to the loader's bucket, 'Mainframe First Side' pointing to the right side of the mainframe, and 'Rear end' pointing to the rear of the machine. The bottom photograph shows the same loader from a different angle, with a label 'Mainframe Second Side' pointing to the left side of the mainframe.</p>

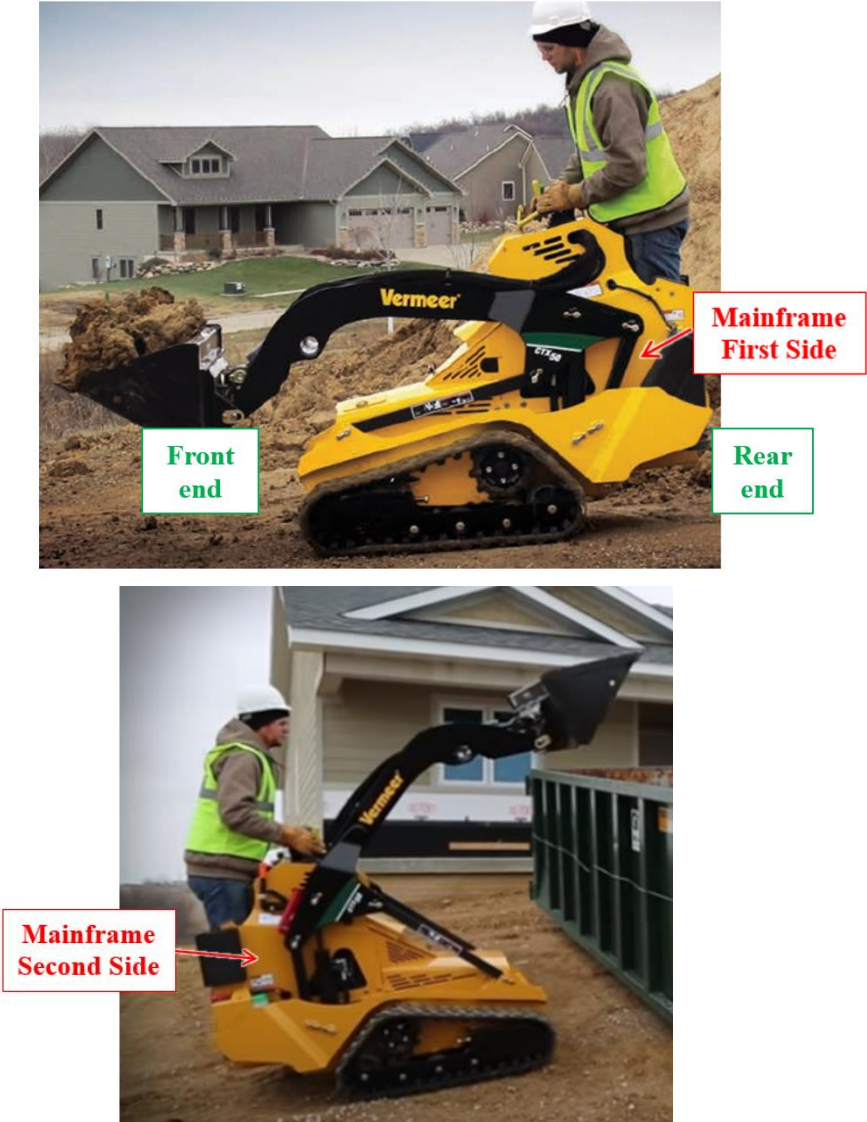
Claim 45 of the '386 Patent	Vermeer CTX50
<p>the mainframe comprising an engine bracket that extends from the first side toward the second side for mounting an engine to the mainframe, the engine bracket being spaced from the rear of the mainframe,</p>	
<p>the loader arm not being directly attached to the mainframe;</p>	

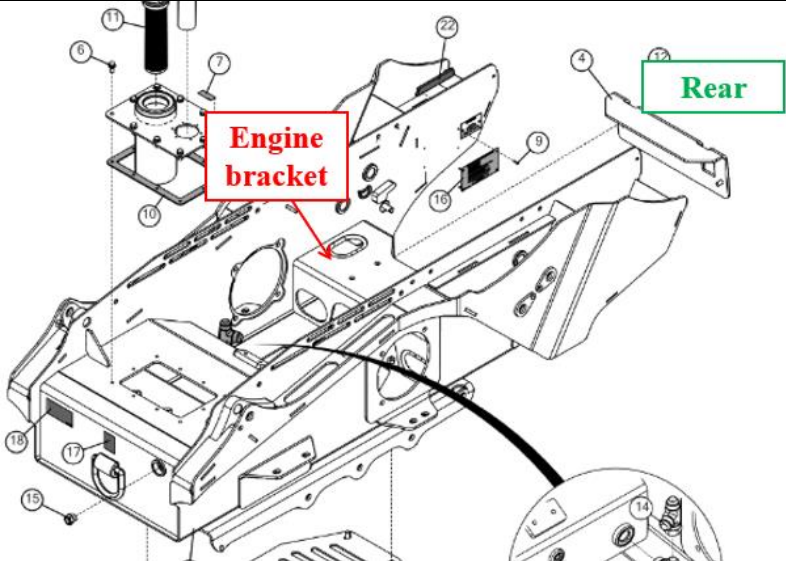
Claim 45 of the '386 Patent	Vermeer CTX50
<p>a first linkage pivotally attached to the first side of the mainframe and pivotally attached to the loader arm at a first linkage pivot point;</p>	 <p>This photograph shows a yellow Vermeer CTX50 skid steer loader with a black loader arm. A worker in a white hard hat and yellow safety vest is operating the machine. Red arrows point to the 'Loader arm' and the 'First linkage'. A green arrow points to the 'First linkage pivot point' where the first linkage connects to the mainframe. Another green arrow points to the 'Pivotally attached' point where the first linkage connects to the loader arm.</p>
<p>a second linkage pivotally attached to the first side of the mainframe and pivotally attached to the loader arm at a second linkage pivot point,</p>	 <p>This photograph shows the same Vermeer CTX50 skid steer loader from a slightly different angle. Red arrows point to the 'Loader arm' and the 'Second linkage'. A green arrow points to the 'Second linkage pivot point' where the second linkage connects to the mainframe. Another green arrow points to the 'Pivotally attached' point where the second linkage connects to the loader arm.</p>

Claim 45 of the '386 Patent	Vermeer CTX50
the loader being free of cross-members between the first linkage pivot point and the second linkage pivot point;	 <p>A photograph of a yellow Vermeer CTX50 compact loader operating on a dirt mound. A worker in a safety vest and hard hat stands on the machine. Three callout boxes with arrows point to specific components: a red box labeled 'Cross-member' points to the upper arm of the loader; a green box labeled 'First linkage pivot point' points to the pivot where the upper arm meets the main frame; and another green box labeled 'Second linkage pivot point' points to the pivot where the upper arm meets the bucket.</p>
an actuator pivotally attached to the first side of the mainframe and pivotally attached to the loader arm at an actuator pivot point;	 <p>A photograph of the same Vermeer CTX50 loader from a slightly different angle. Four callout boxes with arrows point to components: a red box labeled 'Loader arm' points to the upper arm; a red box labeled 'Actuator' points to the hydraulic cylinder; a green box labeled 'Actuator pivot point' points to the pivot where the actuator connects to the main frame; and a green box labeled 'Pivotaly attached' points to the pivot where the actuator connects to the loader arm.</p>

Claim 45 of the '386 Patent	Vermeer CTX50	
<p>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</p>		 <p>A photograph of a yellow Vermeer CTX50 compact track loader. A red box with the text "Control station having operator controls" points to the rear-mounted control station where the operator is standing. The loader is in a dirt field with houses in the background.</p>
<p>an operator platform for standing operation of the operator controls of the control station.</p>		 <p>A photograph of the same Vermeer CTX50 compact track loader. A red box with the text "Operator platform" points to the rear-mounted control station. The loader is in a dirt field with houses in the background.</p>

Claim 70 of the '386 Patent	Vermeer CTX50
<p>70. 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:</p>	<div data-bbox="758 277 1293 802">  </div> <div data-bbox="1325 363 1755 412"> <h3>CTX50 MINI SKID STEER</h3> </div> <div data-bbox="1325 448 1451 480"> <p>GENERAL</p> </div> <div data-bbox="1325 488 1801 784"> <ul style="list-style-type: none"> Length: 75" (190.5 cm) Width: 35.5" (90.2 cm) Height: 54.5" (138.4 cm) Weight: 2100 lb (952.5 kg) Hinge pin height: 72" (182.9 cm) Ground clearance: 6" (15.2 cm) Ground pressure: 4.5 psi (31.0 kPa) </div>
<p>a loader having an arm, the loader being adapted to carry a tool;</p>	<div data-bbox="938 833 1619 1401">  </div>

Claim 70 of the '386 Patent	Vermeer CTX50
<p>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,</p>	 <p>The figure consists of two photographs of a yellow Vermeer CTX50 skid steer loader. The top photograph shows the loader from a side-rear perspective, with a worker in a hard hat and safety vest operating it. Labels include 'Front end' in a green box pointing to the front of the loader, 'Mainframe First Side' in a red box with an arrow pointing to the side of the mainframe, and 'Rear end' in a green box pointing to the rear of the loader. The bottom photograph shows the loader from a side-front perspective, with a label 'Mainframe Second Side' in a red box with an arrow pointing to the opposite side of the mainframe.</p>

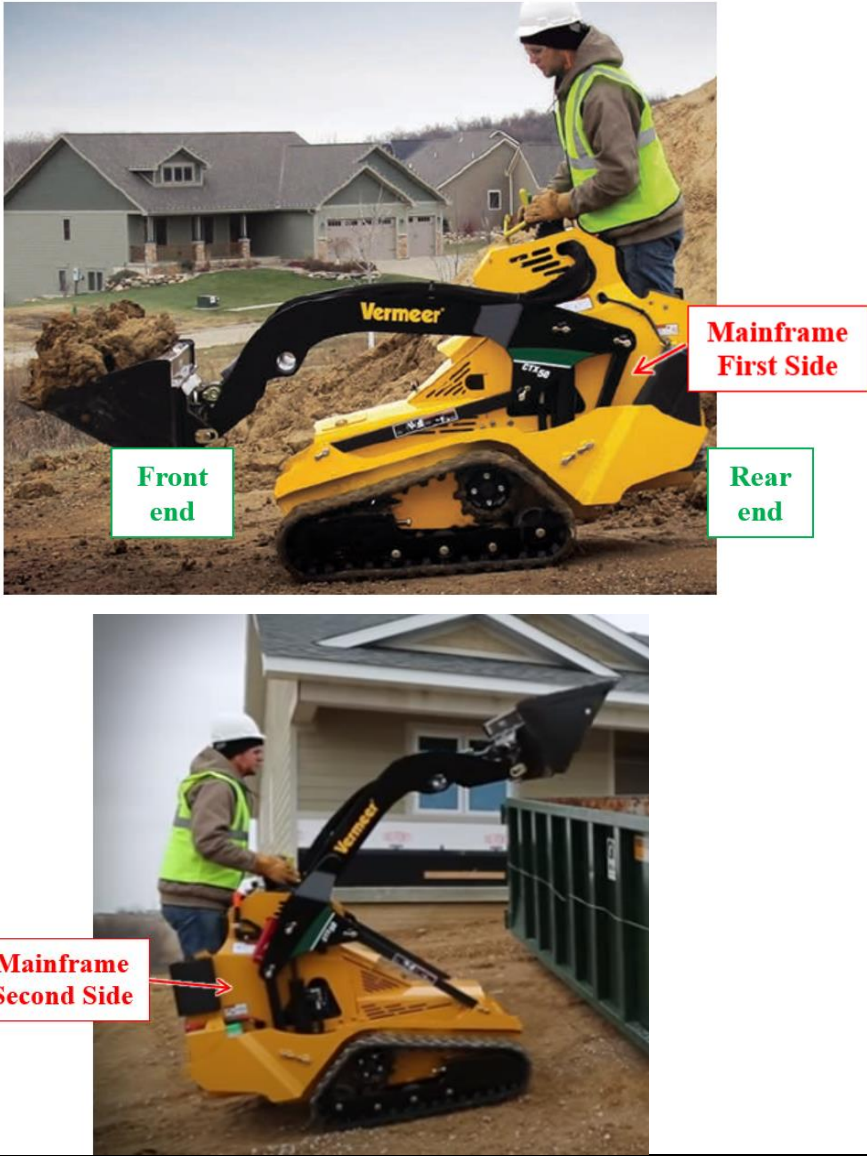
Claim 70 of the '386 Patent	Vermeer CTX50
<p>the mainframe comprising an engine bracket that extends from the first side toward the second side for mounting an engine to the mainframe, the engine bracket being spaced from the rear end of the mainframe,</p>	 <p>This technical drawing shows an exploded view of the mainframe assembly. A red label 'Engine bracket' with an arrow points to a bracket component. A green label 'Rear' with an arrow points to the rear end of the mainframe. Various numbered callouts (6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22) identify specific parts of the assembly.</p>
<p>the loader arm not being directly attached to the mainframe;</p>	 <p>This photograph shows the Vermeer CTX50 loader in operation. A red label 'Mainframe' with an arrow points to the base of the machine. A red label 'Loader arm' with an arrow points to the boom. A green label 'Not directly attached' with an arrow points to the connection point between the mainframe and the loader arm, indicating that the attachment is indirect.</p>

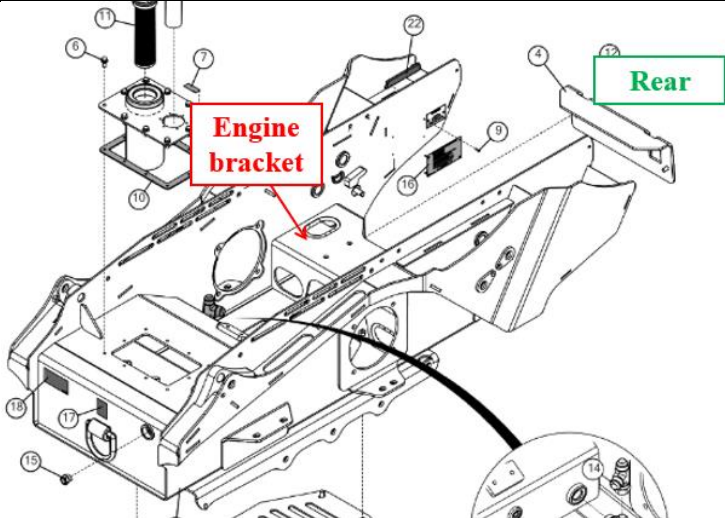
Claim 70 of the '386 Patent	Vermeer CTX50
<p>a linkage pivotally attached to the first side of the mainframe at a linkage pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram shows a yellow Vermeer CTX50 skid steer loader with a black loader arm. A worker in a hard hat and safety vest is operating the machine. Red arrows point to the 'Loader arm' and the 'Linkage' connecting it to the mainframe. Green arrows point to the 'Linkage pivot point' on the mainframe and the 'Pivotally attached' connection on the loader arm.</p>
<p>an actuator pivotally attached to the first side of the mainframe at an actuator pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram shows the same Vermeer CTX50 skid steer loader. Red arrows point to the 'Loader arm' and the 'Actuator' (hydraulic cylinder) connecting it to the mainframe. Green arrows point to the 'Actuator pivot point' on the mainframe and the 'Pivotally attached' connection on the loader arm.</p>

Claim 70 of the '386 Patent	Vermeer CTX50
<p>a drive mechanism comprising a drive sprocket and tracks for propelling the compact tool carrier over a supporting surface,</p>	 <p>This diagram shows a side view of a Vermeer CTX50 compact track loader. A worker in a hard hat and safety vest is operating the machine. The machine is yellow and black. Labels with arrows point to the 'Drive mechanism' (a red box), the 'Track' (a green box), and the 'Drive sprocket' (a green box). The machine is shown in a construction setting with a house in the background.</p>
<p>at least a portion of the tracks angling downward from the drive sprocket toward the front end of the mainframe, the linkage pivot point being disposed above the portion of the tracks that angles downward from the drive sprocket toward the front end of the mainframe; and</p>	 <p>This diagram shows a side view of a Vermeer CTX50 compact track loader, similar to the one above. Labels with arrows point to the 'Linkage pivot point' (a green box), the 'Track' (a red box), and the 'Drive sprocket' (a green box). The machine is shown in a construction setting with a house in the background.</p>

Claim 70 of the '386 Patent	Vermeer CTX50
<p>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.</p>	

Claim 74 of the '386 Patent	Vermeer CTX50
<p>74. 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:</p>	<div data-bbox="768 277 1306 802">  </div> <div data-bbox="1339 362 1766 412"> <h3>CTX50 MINI SKID STEER</h3> </div> <div data-bbox="1339 446 1461 479"> <p>GENERAL</p> </div> <div data-bbox="1339 490 1814 782"> <ul style="list-style-type: none"> Length: 75" (190.5 cm) Width: 35.5" (90.2 cm) Height: 54.5" (138.4 cm) Weight: 2100 lb (952.5 kg) Hinge pin height: 72" (182.9 cm) Ground clearance: 6" (15.2 cm) Ground pressure: 4.5 psi (31.0 kPa) </div>
<p>a loader having an arm, the loader being adapted to carry a tool;</p>	<div data-bbox="942 831 1638 1411">  </div>

Claim 74 of the '386 Patent	Vermeer CTX50
<p>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,</p>	

Claim 74 of the '386 Patent	Vermeer CTX50
<p>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,</p>	 <p>This technical drawing shows an exploded view of the mainframe components. A red label 'Engine bracket' with an arrow points to a bracket on the mainframe. A green label 'Rear' with an arrow points to the rear end of the mainframe. A curved arrow indicates the assembly path from the engine bracket to the mainframe.</p>
<p>the loader arm not being directly attached to the mainframe;</p>	 <p>This photograph shows the Vermeer CTX50 loader in operation. A red label 'Mainframe' with an arrow points to the base of the machine. A red label 'Loader arm' with an arrow points to the boom. A green label 'Not directly attached' with an arrow points to the connection point between the mainframe and the loader arm, indicating that the arm is not directly attached to the mainframe.</p>

Claim 74 of the '386 Patent	Vermeer CTX50
<p>a first linkage pivotally attached to the first side of the mainframe at a first linkage pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram illustrates the first linkage assembly of the Vermeer CTX50. A yellow tracked loader is shown with a black loader arm. A red box labeled "Loader arm" points to the arm. A red box labeled "First linkage" points to a linkage arm connecting the loader arm to the mainframe. A green box labeled "First linkage pivot point" points to the connection point on the mainframe. A green box labeled "Pivotally attached" points to the connection point on the loader arm. The background shows a residential area with houses and a hill.</p>
<p>a second linkage pivotally attached to the first side of the mainframe at a second linkage pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram illustrates the second linkage assembly of the Vermeer CTX50. A yellow tracked loader is shown with a black loader arm. A red box labeled "Loader arm" points to the arm. A red box labeled "Second linkage" points to a linkage arm connecting the loader arm to the mainframe. A green box labeled "Second linkage pivot point" points to the connection point on the mainframe. A green box labeled "Pivotally attached" points to the connection point on the loader arm. The background shows a residential area with houses and a hill.</p>

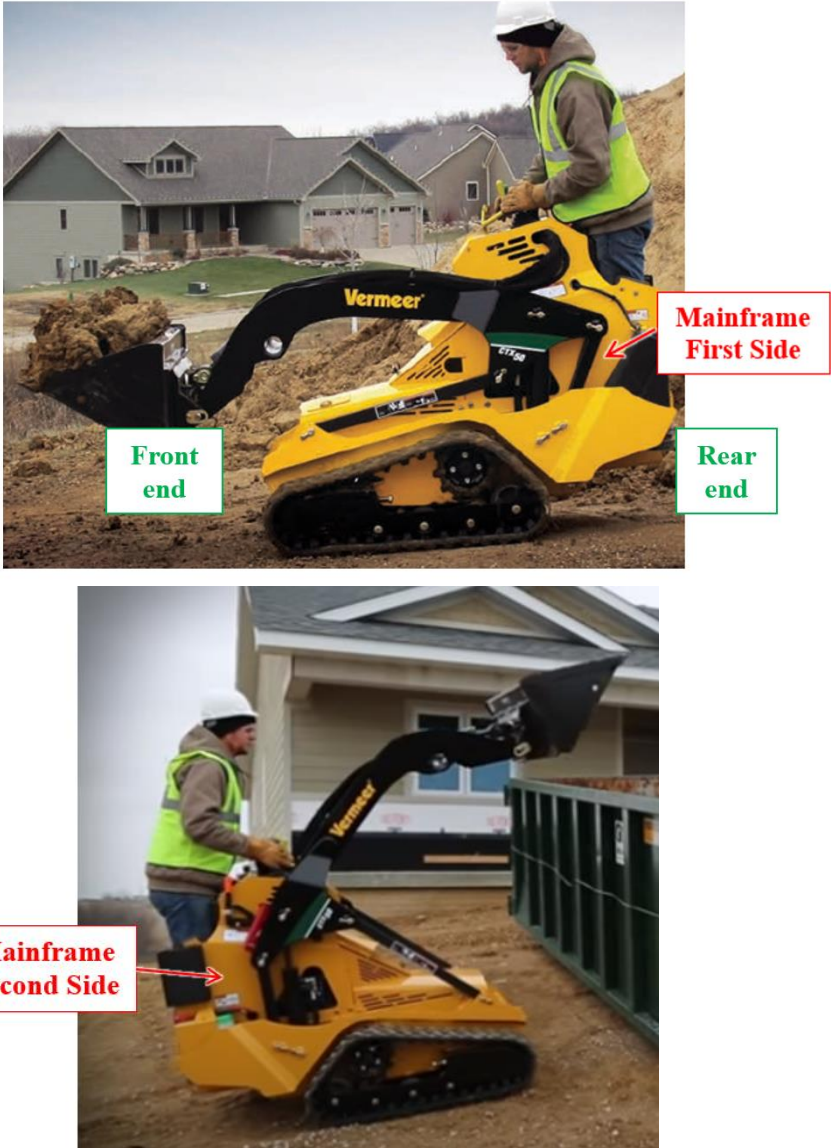
Claim 74 of the '386 Patent	Vermeer CTX50
<p>an actuator pivotally attached to the first side of the mainframe at an actuator pivot point and pivotally attached to the loader arm;</p>	 <p>This photograph shows a yellow Vermeer CTX50 compact track loader. A worker in a hard hat and safety vest stands on the machine. Red and green callout boxes with arrows point to specific components: 'Loader arm' (red box), 'Pivotally attached' (green box), 'Actuator' (red box), and 'Actuator pivot point' (green box). The machine is positioned on a dirt surface with a house in the background.</p>
<p>a drive mechanism comprising a drive sprocket and tracks for propelling the compact tool carrier over a supporting surface,</p>	 <p>This photograph shows the same Vermeer CTX50 from a slightly different angle. Red and green callout boxes with arrows point to components of the drive system: 'Track' (green box), 'Drive sprocket' (green box), and 'Drive mechanism' (red box). The machine is on a dirt surface with a house in the background.</p>

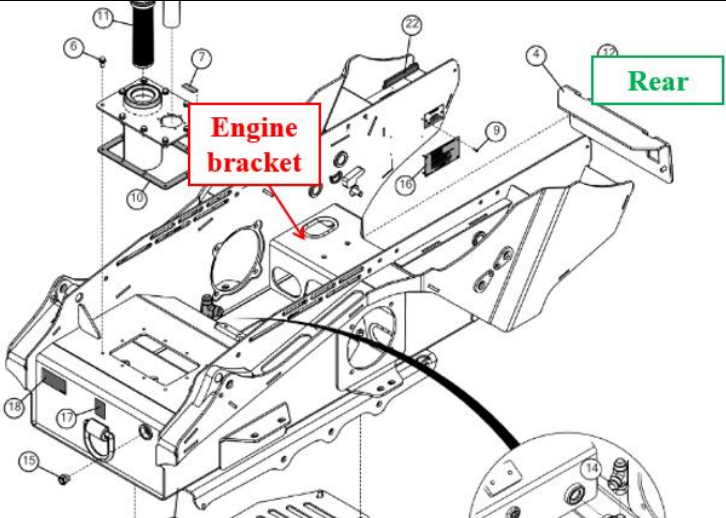
Claim 74 of the '386 Patent	Vermeer CTX50
the tracks being spaced from the rear end of the mainframe,	 <p>A photograph of a yellow Vermeer CTX50 compact track loader operating on a dirt mound. A red label 'Track' with a red arrow points to the track system. A green label 'Rear end of mainframe' with a green arrow points to the rear of the machine's mainframe.</p>
at least a portion of the tracks angling downward from the drive sprocket toward the front end of the mainframe,	 <p>A photograph of the same Vermeer CTX50 compact track loader. A red label 'Track' with a red arrow points to the track system. A green label 'Drive sprocket' with a green arrow points to the drive sprocket at the rear of the machine.</p>

Claim 74 of the '386 Patent	Vermeer CTX50
<p>each of the first linkage pivot point, second linkage pivot point, and actuator pivot point being (1) disposed above at least part of the portion of the tracks that angles downward from the drive sprocket toward the front end of the mainframe or (2) disposed between the tracks and the rear end of the mainframe; and</p>	 <p>This image shows a side view of the Vermeer CTX50 compact track loader. The machine is yellow and black, with the brand name 'Vermeer' visible on the boom. A person in a high-visibility vest and hard hat is operating the machine. Several labels with arrows point to specific components: 'Second linkage pivot point' points to a pivot on the boom; 'Actuator pivot point' points to a pivot on the mainframe; 'Rear end of mainframe' points to the back of the machine's body; 'Track' points to the continuous track system; and 'First linkage pivot point' points to a pivot on the boom near the track.</p>
<p>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</p>	 <p>This image shows the same Vermeer CTX50 from a slightly different angle, focusing on the operator's control station. A label 'Control station having operator controls' with an arrow points to the rear of the machine where the operator stands.</p>

Claim 74 of the '386 Patent	Vermeer CTX50
<p>an operator platform for standing operation of the operator controls of the control station.</p>	

Claim 78 of the '386 Patent	Vermeer CTX50
<p>78. 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:</p>	<div data-bbox="779 277 1318 802">  </div> <div data-bbox="1350 362 1778 412"> <h2>CTX50 MINI SKID STEER</h2> </div> <div data-bbox="1350 446 1472 479"> <h3>GENERAL</h3> </div> <div data-bbox="1350 488 1827 784"> <ul style="list-style-type: none"> Length: 75" (190.5 cm) Width: 35.5" (90.2 cm) Height: 54.5" (138.4 cm) Weight: 2100 lb (952.5 kg) Hinge pin height: 72" (182.9 cm) Ground clearance: 6" (15.2 cm) Ground pressure: 4.5 psi (31.0 kPa) </div>
<p>a loader having an arm, the loader being adapted to carry a tool;</p>	<div data-bbox="961 833 1642 1401">  </div>

Claim 78 of the '386 Patent	Vermeer CTX50
<p>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,</p>	 <p>The image contains two photographs of a yellow Vermeer CTX50 skid steer loader. The top photograph shows the loader from a side-front perspective, with a worker in a hard hat and safety vest operating it. Labels include 'Front end' in a green box, 'Mainframe First Side' in a red box with an arrow pointing to the side of the mainframe, and 'Rear end' in a green box. The bottom photograph shows the loader from a side-rear perspective, with a label 'Mainframe Second Side' in a red box with an arrow pointing to the opposite side of the mainframe.</p>

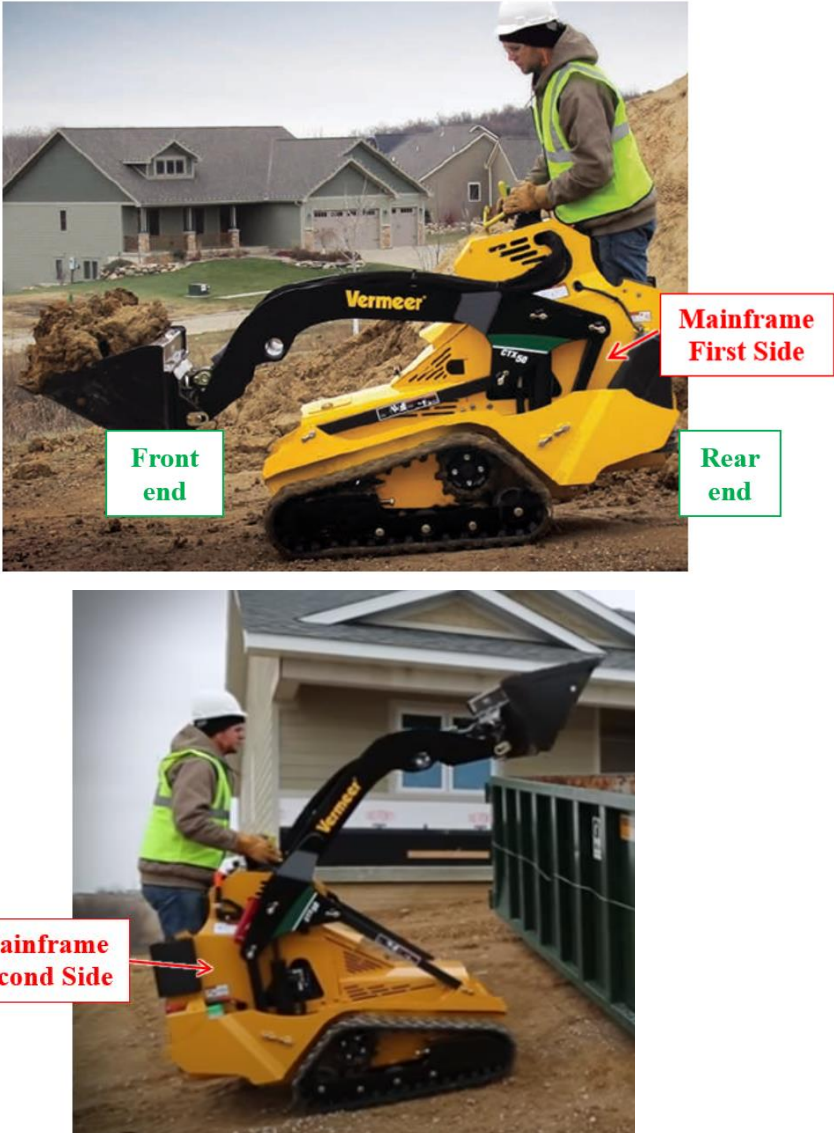
Claim 78 of the '386 Patent	Vermeer CTX50
<p>the mainframe comprising an engine bracket that extends from the first side toward the second side for mounting an engine to the mainframe, the engine bracket being spaced from the rear end of the mainframe,</p>	 <p>This technical drawing shows an exploded view of the mainframe assembly. A red box labeled 'Engine bracket' points to a component that extends from the side of the mainframe. A green box labeled 'Rear' points to the rear end of the mainframe. The diagram includes various numbered callouts (1-22) for different parts of the assembly.</p>
<p>the loader arm not being directly attached to the mainframe;</p>	 <p>This photograph shows the Vermeer CTX50 loader in operation. A red box labeled 'Mainframe' points to the base of the machine. A red box labeled 'Loader arm' points to the hydraulic arm. A green box labeled 'Not directly attached' with a green arrow points to the connection point between the mainframe and the loader arm, indicating that the loader arm is not directly attached to the mainframe.</p>

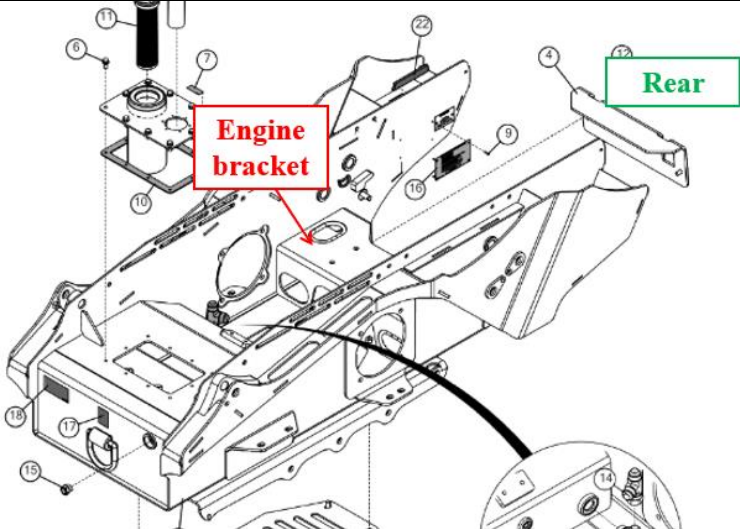
Claim 78 of the '386 Patent	Vermeer CTX50
<p>a linkage pivotally attached to the first side of the mainframe at a linkage pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram shows a yellow Vermeer CTX50 skid steer loader with a black loader arm. A worker in a white hard hat and yellow safety vest is operating the machine. Red arrows point to the 'Loader arm' and the 'Linkage' connecting it to the mainframe. Green arrows point to the 'Linkage pivot point' on the mainframe and the 'Pivotally attached' connection point on the loader arm.</p>
<p>an actuator pivotally attached to the first side of the mainframe at an actuator pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram shows the same Vermeer CTX50 skid steer loader. Red arrows point to the 'Loader arm' and the 'Actuator' (a hydraulic cylinder) connecting it to the mainframe. Green arrows point to the 'Actuator pivot point' on the mainframe and the 'Pivotally attached' connection point on the loader arm.</p>

Claim 78 of the '386 Patent	Vermeer CTX50
<p>a drive mechanism comprising a drive sprocket and tracks or propelling the compact tool carrier over a supporting surface, the tracks being spaced from the rear end of the mainframe;</p>	 <p>This photograph shows a yellow Vermeer CTX50 compact track loader. A worker in a high-visibility vest and hard hat is operating the machine. Three labels with arrows point to specific components: 'Track' points to the continuous track, 'Drive sprocket' points to the sprocket at the rear of the track system, and 'Drive mechanism' points to the internal drive assembly at the rear of the machine's mainframe.</p>
<p>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</p>	 <p>This photograph shows the same Vermeer CTX50 from a slightly different angle. A label 'Control station having operator controls' with an arrow points to the operator's control area, which is located at the rear of the machine's mainframe, allowing the operator to stand or walk behind the machine while operating it.</p>

Claim 78 of the '386 Patent	Vermeer CTX50
<p>an operator platform for standing operation of the operator controls of the control station that extends from the mainframe, at least a portion of the operator platform being forward of the rear end of the mainframe.</p>	<div data-bbox="753 289 1245 695">  </div> <div data-bbox="1287 310 1837 695">  </div>

Claim 86 of the '386 Patent	Vermeer CTX50
<p>86. 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:</p>	<div data-bbox="762 277 1299 802"></div> <div data-bbox="1329 363 1764 412">CTX50 MINI SKID STEER</div> <div data-bbox="1329 448 1455 480">GENERAL</div> <div data-bbox="1329 492 1808 782"><div>Length: 75" (190.5 cm)</div><div>Width: 35.5" (90.2 cm)</div><div>Height: 54.5" (138.4 cm)</div><div>Weight: 2100 lb (952.5 kg)</div><div>Hinge pin height: 72" (182.9 cm)</div><div>Ground clearance: 6" (15.2 cm)</div><div>Ground pressure: 4.5 psi (31.0 kPa)</div></div>
<p>a loader having an arm, the loader being adapted to carry a tool, the loader being moveable between a down position and a vertically raised position;</p>	<div data-bbox="684 833 1314 1360"></div> <div data-bbox="1335 833 1881 1360"></div>

Claim 86 of the '386 Patent	Vermeer CTX50
<p>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,</p>	

Claim 86 of the '386 Patent	Vermeer CTX50
<p>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,</p>	
<p>the loader arm not being directly attached to the mainframe;</p>	

Claim 86 of the '386 Patent	Vermeer CTX50	
a first linkage pivotally attached to the first side of the mainframe at a first linkage pivot point and pivotally attached to the loader arm;		 <p>This diagram shows a side view of the Vermeer CTX50 loader arm assembly. A worker in a yellow safety vest and white hard hat is operating the machine. The loader arm is black and features the 'Vermeer' logo. Red arrows point to the 'Loader arm' and the 'First linkage'. Green arrows point to the 'Pivotally attached' point on the mainframe and the 'First linkage pivot point' on the mainframe.</p>
a second linkage pivotally attached to the first side of the mainframe at a second linkage pivot point and pivotally attached to the loader arm;		 <p>This diagram shows a side view of the Vermeer CTX50 loader arm assembly, similar to the one above. It highlights the second linkage. Red arrows point to the 'Loader arm' and the 'Second linkage'. Green arrows point to the 'Pivotally attached' point on the mainframe and the 'Second linkage pivot point' on the mainframe.</p>

Claim 86 of the '386 Patent	Vermeer CTX50
<p>an actuator pivotally attached to the first side of the mainframe at an actuator pivot point and pivotally attached to the loader arm;</p>	 <p>This diagram shows a yellow Vermeer CTX50 skid steer loader. A worker in a hard hat and safety vest is operating the machine. The loader arm is shown in a raised position. Labels with arrows point to the following components: 'Loader arm' (red box), 'Pivotally attached' (green box pointing to the joint between the loader arm and the mainframe), 'Actuator' (red box pointing to the hydraulic cylinder), and 'Actuator pivot point' (green box pointing to the pivot point on the mainframe).</p>
<p>a drive mechanism comprising tracks or wheels, the drive mechanism having a rotational axis, the pivot point at which the actuator is attached to the mainframe being above the rotational axis;</p>	 <p>This diagram shows the same Vermeer CTX50 skid steer loader from a different angle. Labels with arrows point to the following components: 'Actuator pivot point' (green box pointing to the pivot point on the mainframe), 'Rotational axis' (blue box pointing to the axis of the track system), and 'Track' (red box pointing to the track itself).</p>

Claim 86 of the '386 Patent	Vermeer CTX50
<p>an attachment plate for removably attaching a tool to the compact tool carrier, at least a portion of the attachment plate being forward of the drive mechanism when the loader is in the vertically raised position;</p>	 <p>This photograph shows a yellow Vermeer CTX50 compact track loader with its bucket raised. A worker in a high-visibility vest and hard hat stands at the rear. A red label 'Attachment plate' with an arrow points to the bucket's attachment point. Another red label 'Drive mechanism' with an arrow points to the rear track assembly. A vertical dashed blue line is drawn to indicate the relative positions of these components.</p>
<p>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</p>	 <p>This photograph shows the same Vermeer CTX50 from a side-rear perspective. The worker is standing at the control station. A red label 'Control station having operator controls' with an arrow points to the operator's seat and control levers.</p>

Claim 86 of the '386 Patent	Vermeer CTX50
<p>an operator platform for standing operation of the operator controls of the control station.</p>	