



## PATENTS

Model	U.S. patent number(s)	Title
<b>Brush Chippers</b>		
AX19 brush chipper	<u>STANDARD</u> 7044409 7823813 8567706 8628034	Brush chipper and methods of operating same Lower feed stop bar Wood chipper feed roller Belt-tensioning apparatus
	<u>OPTIONAL</u> 7562837	
BC600XL brush chipper	7044409 7543767	Brush chipper and methods of operating same Methods of constructing a mechanical four-position brush chipper feed control bar
BC700XL brush chipper	7044409 7823813 8141802	Brush chipper and methods of operating same Lower feed stop bar Brush chipper
BC900XL brush chipper	7044409 7823813 8141802	Brush chipper and methods of operating same Lower feed stop bar Brush chipper
BC1000XL brush chipper	7044409 7823813 8141802	Brush chipper and methods of operating same Lower feed stop bar Brush chipper
BC1200XL brush chipper	<u>STANDARD</u> 7044409 7823813 8141802	Brush chipper and methods of operating same Lower feed stop bar Brush chipper
	<u>OPTIONAL</u> 7562837	

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Model	U.S. patent number(s)	Title
<b>Brush Chippers</b>		
BC1500 brush chipper	<u>STANDARD</u> 7044409 7546964 7823813 <u>OPTIONAL</u> 7562837	Brush chipper and methods of operating same Brush chipper with improved feed rollers Lower feed stop bar  Coordinated control of a winch and a brush chipper
BC1800XL brush chipper	<u>STANDARD</u> 7044409 7546964 <u>OPTIONAL</u> 7562837	Brush chipper and methods of operating same Brush chipper with improved feed rollers  Coordinated control of a winch and a brush chipper
BC2100XL brush chipper	<u>STANDARD</u> 7044409 7823813 8567706 <u>OPTIONAL</u> 7562837	Brush chipper and methods of operating same Lower feed stop bar Wood chipper feed roller  Coordinated control of a winch and a brush chipper
WC2300, WC2300XL, WC2300XLT whole tree chippers	7597279 9409310	Brush chipper and methods of operating same Combined feed roller and conveyor sprocket/pulley for a tree chipper
WC2500XL, WC2500TX whole tree chippers	7597279 9409310	Brush chipper and methods of operating same Combined feed roller and conveyor sprocket/pulley for a tree chipper

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Model	U.S. patent number(s)	Title
<b>Core Saw</b>		
SC418 core saw	10876366	Core saw and support frame structure

Model	U.S. patent number(s)	Title
<b>Horizontal Grinders</b>		
HG4000G2 horizontal grinder	<u>STANDARD</u>	Adjustable anvil for comminuting apparatus Mill box for a horizontal grinder  Mounting block for attaching a reducing element to a rotary drum Cutter assembly and adjustable cutter for use in comminuting apparatus Hammer support for rotary tool
	9168535	
	10737275	
	<u>OPTIONAL</u>	
	9370776	
9375723		
9675976		
HG6800TX horizontal grinder	<u>STANDARD</u>	Adjustable anvil for comminuting apparatus Mill box for a horizontal grinder  Mounting block for attaching a reducing element to a rotary drum Cutter assembly and adjustable cutter for use in comminuting apparatus Hammer support for rotary tool
	9168535	
	10737275	
	<u>OPTIONAL</u>	
	9370776	
9375723		
9675976		

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Model	U.S. patent number(s)	Title
<b>Forage Models</b>		
504 Pro G3 baler	10827685	Hydraulic brake for wrap material
604 Pro G3 baler	10827685	Hydraulic brake for wrap material
604R baler	<u>OPTIONAL</u> 10827685	Hydraulic brake for wrap material
ZR5-1200 self-propelled baler	USD794086	Self-propelled agricultural machine
	USD836678	Self-propelled agricultural machine
	10850723	Self-propelled vehicles having a steering position sensor
	10888043	Self-propelled baling vehicle
	10953918	Self-propelled vehicles including a differential system
	10980183	Self-propelled vehicles with extendable devices

Model	U.S. patent number(s)	Title
<b>Mini Skid Steers</b>		
CTX50 mini skid steer	7549500	Apparatus for control of a mobile machine
	9321386	Low-profile compact tool carriers
	9975750	Low-profile compact tool carriers
	10202266	Low-profile compact tool carriers
	10597843	Utility loader with high-lift loader arms and unifying hand grip for dual-traction controls levers
CTX100 mini skid steer	7549500	Apparatus for control of a mobile machine
	9321386	Low-profile compact tool carriers
	9975750	Low-profile compact tool carriers
	10202266	Low-profile compact tool carriers
	10597843	Utility loader with high lift loader arms and unifying hand grip for dual-traction controls levers
CTX160 mini skid steer	7549500	Apparatus for control of a mobile machine
	10202266	Low-profile compact tool carriers
	10597843	Utility loader with high lift loader arms and unifying hand grip for dual-traction controls levers

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Model	U.S. patent number(s)	Title
<b>Mini Skid Steers</b>		
S450TX mini skid steer	7549500	Apparatus for control of a mobile machine
S725TX mini skid steer	7549500	Apparatus for control of a mobile machine
S800TX mini skid steer	7549500	Apparatus for control of a mobile machine
S925TX mini skid steer	7549500	Apparatus for control of a mobile machine

Model	U.S. patent number(s)	Title
<b>Stump Cutters</b>		
SC552 stump cutter	10039239	Method and apparatus for controlling the operation of a stump cutter
	10231389	Stump cutter
SC852 stump cutter	10039239	Method and apparatus for controlling the operation of a stump cutter
	10231389	Stump cutter
SC70TX stump cutter	10039239	Method and apparatus for controlling the operation of a stump cutter
SC802 stump cutter	10039239	Method and apparatus for controlling the operation of a stump cutter
SC30TX stump cutter	9462759	Stump grinder with laterally offset grinding arm operated by single joystick
	10117388	Stump grinder with laterally offset grinding arm operated by single joystick
	10292341	Stump grinder with laterally offset grinding arm operated by single joystick
	10993389	Stump grinder with laterally offset grinding arm operated by single joystick

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Model	U.S. patent number(s)	Title
<b>Stump Cutters</b>		
SC382 stump cutter	9462759	Stump grinder with laterally offset grinding arm operated by single joystick
	10117388	Stump grinder with laterally offset grinding arm operated by single joystick
	10292341	Stump grinder with laterally offset grinding arm operated by single joystick
	10993389	Stump grinder with laterally offset grinding arm operated by single joystick

Model	U.S. patent number(s)	Title
<b>Tooling and Accessories</b>		
QuickFire® connection system	8991490	Tapered thread configuration with improved durability
	9016366	Tapered thread configuration with improved durability
	9605491	Tapered thread configuration with improved durability
	10227832	Tapered thread configuration with improved durability
Armor drilling system	8939237	Underground drilling apparatus

Model	U.S. patent number(s)	Title
<b>Tooling and Accessories</b>		
Yellow Jacket™ cutter system	8020591	Indexable stump cutter tooth
	8522843	Indexable stump cutter tooth
	9585313	Indexable stump cutter tooth
Vermeer cutter system	10926268	Cutter mounting systems and cutters for the same

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Model	U.S. patent number(s)	Title
<b>Tooling and Accessories</b>		
PG6/PG5 pullback grapple	10900294	Pullback system for drilling tool

Model	U.S. patent number(s)	Title
<b>Trenchers – Utility Installation</b>		
RTX450 ride-on tractor	8430188 8801115 10017216 D587727	Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Quad-track trencher
RTX550 ride-on tractor	8245800 8430188 8801115 9352776 10017216 D587727	Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Quad-track trencher

Model	U.S. patent number(s)	Title
<b>Trenchers – Utility Installation</b>		
RTX750 ride-on tractor	8245800 8430188 8827013 8801115 9079614 9180910 9352776 10017216 D587727	Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Quad-track trencher

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Model	U.S. patent number(s)	Title
<b>Trenchers – Utility Installation</b>		
RTX1250 ride-on tractor	8245800 8430188 8827013 9079614 9180910 9352776 10017216 D587727	Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Quad-track trencher
RTX1250i2 ride-on tractor	8245800 8430188 8827013 9079614 9180910 9352776 10017216	Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle
XTS1250i2 ride-on tractor	8245800 8430188 8827013 9079614 9180910 9352776 10017216	Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle Apparatus for converting a wheeled vehicle to a tracked vehicle

Model	U.S. patent number(s)	Title
<b>Trommel Screens</b>		
TR6450 trommel screen	10118197	Automatic folding and deploying deflectors for conveyor

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Model	U.S. patent number(s)	Title
<b>Vacuum Excavators</b>		
XR2 vacuum excavator	10655300	Cyclonic separation systems and hydro-excavation vacuum apparatus incorporating same
ECO75 vacuum excavator	7837050	Collection tank
VX50 vacuum excavator	7837050	Collection tank
VX75 vacuum excavator	7837050	Collection tank

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