

Title (en)  
DISENGAGEABLE BELT DRIVE ASSEMBLIES FOR PAVEMENT SAWS

Title (de)  
AUSRÜCKBARE RIEMENTRIEBANORDNUNGEN FÜR PFLASTERSÄGEN

Title (fr)  
ENSEMBLES TRANSMISSION PAR COURROIE DEBRAYABLE POUR SCIES DE PAVAGE

Publication  
**EP 1943438 A1 20080716 (EN)**

Application  
**EP 06719859 A 20060126**

Priority  
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Abstract (en)  
[origin: WO2007053168A1] A clutchless belt drive system for pavement saw. The saw having an engine (16) mounted to a frame (12) via a pivot mount (14) . The engine drives a first pulley (20) , which is fixed relative to the engine. The first pulley drives a belt (22) , which in turn drives a second pulley (24) . The second pulley drives a saw blade (26) . An actuator (18) connected to the frame and to the engine so that the actuator extension rotates the engine in a first direction about the pivot mount, driving the first pulley against the belt and tautening the belt about the first pulley and the second pulley, and so that actuator retraction rotates the engine in a second direction counter to the first direction, releasing the first pulley from the belt and relaxing belt tension. A shroud (28) encircles the belt in a plane perpendicular to the line defined by the center of the first pulley and the center of the second pulley. The shroud is positioned so that when the belt tension is relaxed, the belt contacts the shroud and the resulting friction decelerates the belt.

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