

Title (en)

Hydraulic spike puller with frictionally delayed moving jaws

Title (de)

Hydraulische Nagelziehvorrichtung mit reibungsverzögernden beweglichen Klemmbacken

Title (fr)

Extracteur de clous hydraulique avec des mâchoirs à mouvement différé par friction

Publication

EP 1041203 A1 20001004 (EN)

Application

EP 00870061 A 20000329

Priority

- US 28327099 A 19990331
- US 33841799 A 19990622
- US 33844899 A 19990622

Abstract (en)

A hydraulic spike puller comprising a frame with a chute, a hydraulic drive section connected to the frame, and a spike contacting section connected to the hydraulic drive section and movably located in the chute. The improvement comprises the spike contacting section comprising two jaws (42) pivotably connected to each other and a friction system (66) extending from the jaws and contacting opposite interior sides of the chute (22). The jaws each have a spike contacting claw section which, when the jaws are in an open position, have a back surface (78) adjacent an interior side of the chute (22) to block an area between the chute and the back surface. The claw sections have substantially non-curved bottom faces (84) which, when the jaws (42) are in the open position, can push a spike (D) out of the chute (22). The claw sections (42) are shaped to prevent a spike (D) from being caught between the chute (22) and the back surfaces (78) of the claw sections. <IMAGE>

IPC 1-7

E01B 29/26; **B25C 11/00**

IPC 8 full level

B25C 11/02 (2006.01); **E01B 29/26** (2006.01)

CPC (source: EP)

B25C 11/02 (2013.01); **E01B 29/26** (2013.01)

Citation (search report)

- [A] US 3643918 A 19720222 - ELLIS ROLLO G
- [A] US 5253844 A 19931019 - COTIC DENNIS J [US], et al

Cited by

CN103737554A; EP3255207A1; EP3653790A1; WO2021138556A1; US11131066B2; US11661708B2; EP3677725A1; EP4215672A1; US10597828B2; US11131067B2; US11208767B2; US11702800B2; EP3255207B1

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