

Title (en)  
Universal ground clip assembly

Title (de)  
Universelle Erdungsklemmezusammenbau

Title (fr)  
Assemblage d'un clip de mise à la terre universel

Publication  
**EP 1005108 A3 20020424 (EN)**

Application  
**EP 99309452 A 19991126**

Priority  
US 11004398 P 19981126

Abstract (en)  
[origin: EP1005108A2] A universal ground clip assembly (10) for electrically connecting interchangeable messenger clamps (131, 13b, 13c, 13d) to a cable messenger strand (11) strung between utility poles. A saddle shaped grounding clip (17) having a generally U-shaped cross-section with opposing first and second side members (19,21) is positioned over the insulation jacket (14) of the messenger strand and includes at least one pointed prong (22) for penetrating the messenger strand insulation jacket (14) and engaging the messenger strand conductor (11). Compression of the grounding clip causes the prong (22) to penetrate the insulation jacket (14) thereby establishing an electrical connection with the messenger strand conductor (11). The clip assembly (10) may further include a variety of interchangeable messenger clamps (13a, 13b, 13c, 13d), such as a ground or span clamp, capable of engaging the grounding clip (17). Upon engagement, the interchangeable messenger clamps (131, 13b, 13c, 13d) establish an electrical connection with the grounding clip (17). During assembly and installation, the grounding clip (17) is preferably positioned and compressed on the messenger strand (11) prior to installation of the interchangeable messenger clamps. <IMAGE>

IPC 1-7  
**H01R 4/64**; **H01R 4/24**; **H02G 7/05**

IPC 8 full level  
**H01R 4/24** (2006.01); **H01R 4/00** (2006.01); **H01R 4/64** (2006.01); **H02G 7/00** (2006.01); **H05F 3/02** (2006.01)

CPC (source: EP US)  
**H01R 4/646** (2013.01 - EP US); **H01R 4/2408** (2013.01 - EP US)

Citation (search report)

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