

Title (en)

Wear assembly for excavating equipment

Title (de)

Verschleißanordnung für Erdbewegungsmaschinen

Title (fr)

Ensemble d'usure destiné à un équipement d'excavation

Publication

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Application

EP 14180150 A 20080506

Priority

- US 92878007 P 20070510
- US 92882107 P 20070510
- US 93048307 P 20070515
- EP 08747674 A 20080506
- US 2008062724 W 20080506

Abstract (en)

[origin: WO2008140993A1] A wear assembly for excavating equipment includes a base fixed to the excavating equipment, a wear member fit over the base, and a lock to releasably hold the wear member to the base. The wear member includes side relief to reduce drag on the system. The wear member and the base each includes a hemispherical front end and a generally trapezoidal rear portion. The base includes a nose and a stop projecting from the nose to cooperate with the lock without an opening being needed to receive the lock into the nose. The lock is an elongate lock positioned generally in an axial direction and which holds the wear member to the base under compressive loads.

IPC 8 full level

E02F 9/28 (2006.01); **E02F 3/92** (2006.01)

CPC (source: EP KR)

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Citation (search report)

- [XA] EP 1239088 A1 20020911 - METALOGENIA SA [ES]
- [A] US 6735890 B2 20040518 - CARPENTER CHRISTOPHER M [US], et al
- [A] US 6047487 A 20000411 - CLENDENNING CHARLES [US]
- [A] US 3225467 A 19651228 - TROEPPL WILLIAM M

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