

Title (en)  
WEAR PARTS FOR EXCAVATION APPARATUS

Publication  
**EP 0414345 A3 19910911 (EN)**

Application  
**EP 90306135 A 19900606**

Priority  
US 36270289 A 19890606

Abstract (en)  
[origin: EP0414345A2] An improved wear assembly for a ground engaging tool, such as an excavator bucket, comprises a lip protector shroud (25) which is detachably mounted on the bucket lip (17) to cover the lip (17) and provide a wear bearing surface that covers the lower surface of the tooth adapter (29, 31) and which is detachably held in place by abutment against a tooth (33) detachably mounted on the adapter (29, 31) and a flexible pin (91) extending through registering apertures (79, 81) in the adapter (29, 31) and the shroud (25).

IPC 1-7  
**E02F 3/40**; **E02F 9/28**

IPC 8 full level  
**E02F 9/28** (2006.01)

CPC (source: EP)  
**E02F 9/2808** (2013.01); **E02F 9/2816** (2013.01)

Citation (search report)  
[X] US 3851413 A 19741203 - LUKAVICH P

Cited by  
JP2014062451A; GB2279678A; GB2279678B; CN102667016A; AU2010336025B2; AP3321A; US9091042B2; WO2011075782A1; WO2015069400A1

Designated contracting state (EPC)  
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**EP 90306135 A 19900606**; AU 5628490 A 19900605; CA 2018309 A 19900605