



Licensing Opportunity

Lower Limb Anti-Personnel Mine (APM) protection

Overview:

Lower limb injuries from either purpose-designed mines or Improvised Explosive Devices (IED's) are not always fatal but invariably life altering. Whilst complete protection is impractical when balanced against mobility, scaling protection back to the point where it can de-couple the worst of the pressure wave and high-energy fragments is feasible.

This technology uses a shaped metal 'cup' that covers the foot from heel to mid-sole. It can be sized to fit either over the shoe or as an insert and has been shown in blast trials to de-couple sufficient load to preserve the lower leg from traumatic amputation.

Key Benefits:

Capable of preventing loss of lower limbs in anti-personnel mine incidents. The invention provides sufficient protection to prevent significant lower-limb injury from APM's whilst being integrated so as not to impede the user.

Applications:

Potential applications in both the military and civilian sectors. The civilian need is far larger in areas of the world affected by legacy munitions.

IP Status:

GB patent application.

Commercial Opportunity:

An opportunity for a manufacturer or designer, possibly with expertise in footwear, to develop, design and manufacture a potentially low cost item of humanitarian benefit.

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