

Title (en)  
Protective glove manufacturing method

Title (de)  
Verfahren zur Herstellung von Schutzhandschuhen

Title (fr)  
Procédé de réalisation d'un gant de protection

Publication  
**EP 1647197 A3 20080521 (FR)**

Application  
**EP 05291987 A 20050923**

Priority  
FR 0452146 A 20040923

Abstract (en)  
[origin: FR2875384A1] The manufacturing process consists of fitting a lining (2) made from cotton, synthetic, glass, mineral or metal filaments and/or fibres or a mixture of these onto a male mould made in the shape of the glove (1) as it is worn. The mould and lining are then dipped into an aqueous dispersion based on one or more polymers to create an anti-penetration and adhesion layer (3) over the lining, which is dried to form a preform for the glove. This is dipped repeatedly in polymer solutions in a solvent phase to form at least one outer layer (4) which is dried and reticulated before removal from the mould. Prior to dipping in the aqueous polymer dispersion the mould and lining can be dipped into a coagulant based on acids and salts, such as acetic, formic or hydrochloric acid and calcium or magnesium nitrates and/or chlorates.

IPC 8 full level  
**A41D 19/00** (2006.01)

CPC (source: EP)  
**A41D 19/0065** (2013.01); **A41D 19/01505** (2013.01)

Citation (search report)

- [XY] FR 2819152 A1 20020712 - HUTCHINSON [FR]
- [X] EP 0716817 A1 19960619 - HUTCHINSON SA [FR]
- [Y] US 4190685 A 19800226 - COLLYER JOHN C [CA], et al
- [A] FR 2776168 A1 19990924 - HUTCHINSON [FR]
- [Y] EP 0482618 A1 19920429 - BETTCHER INDUSTRIES [US]

Cited by  
CN114381048A; WO2023173502A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**FR 2875384 A1 20060324; FR 2875384 B1 20070105**; EP 1647197 A2 20060419; EP 1647197 A3 20080521

DOCDB simple family (application)  
**FR 0452146 A 20040923**; EP 05291987 A 20050923