

Title (en)

METHOD FOR MANUFACTURING A DIRECTIONALLY DEPENDENT REFLECTIVE SURFACE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER FLÄCHE MIT RICHTUNGSABHÄNGIGER REFLEKTION

Title (fr)

PROCEDE DE PRODUCTION DE SURFACE A DEPENDANCE DIRECTIONNELLE

Publication

**EP 1492650 A4 20051102 (EN)**

Application

**EP 03709441 A 20030411**

Priority

- AU 0300430 W 20030411
- AU PS169302 A 20020411

Abstract (en)

[origin: WO03086719A1] A method for manufacturing a directionally dependent reflective surface on a substantially cylindrical body (1). The method comprising the engagement of a tool (4) with the outside surface (8) of the body, thereby forming at least one groove (23) therein with a cross section, when measured parallel to the longitudinal axis (2) of the body, that is asymmetric and wherein the groove is formed without removal of material from the body.

IPC 1-7

**B26D 3/08**; B21D 13/10; B21D 17/04; B21H 7/18; B21J 5/12; B21K 1/54; G02B 5/18

IPC 8 full level

**B21H 7/14** (2006.01); **B21C 51/00** (2006.01); **B21D 17/04** (2006.01); **B21H 3/00** (2006.01); **B21H 7/18** (2006.01); **G02B 5/18** (2006.01)

CPC (source: EP KR US)

**B21C 51/005** (2013.01 - EP US); **B21D 13/10** (2013.01 - KR); **B21D 17/04** (2013.01 - EP KR US); **B21H 7/18** (2013.01 - KR); **B21H 7/187** (2013.01 - EP US); **B26D 3/08** (2013.01 - KR)

Citation (search report)

- [X] DE 9103358 U1 19910627
- [A] EP 0391664 A1 19901010 - SHARP KK [JP]
- [A] US 6335999 B1 20020101 - WINSTON ROLAND [US], et al
- [A] US 6021000 A 20000201 - IIZUKA TAKASHI [JP], et al
- [DA] WO 9920427 A1 19990429 - BISHOP INNOVATION PTY LTD [AU], et al
- See references of WO 03086719A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**WO 03086719 A1 20031023**; AU PS169302 A0 20020516; CN 1646275 A 20050727; EP 1492650 A1 20050105; EP 1492650 A4 20051102; JP 2005522333 A 20050728; KR 20050005441 A 20050113; US 2005217335 A1 20051006

DOCDB simple family (application)

**AU 0300430 W 20030411**; AU PS169302 A 20020411; CN 03808192 A 20030411; EP 03709441 A 20030411; JP 2003583709 A 20030411; KR 20047016199 A 20030411; US 50855605 A 20050531