

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
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Application
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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.

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IPC 8 full level
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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

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