

Title (en)
Shielding for enclosing a control apparatus

Title (de)
Abdeckung zum Umschliessen einer Steuervorrichtung

Title (fr)
Couvercle pour envelopper un appareil de commande

Publication
EP 1170654 A3 20030416 (EN)

Application
EP 01115262 A 20010623

Priority
US 61205100 A 20000707

Abstract (en)
[origin: EP1170654A2] A control console housing (32) is provided with a control aperture (76) through which the control lever (34, 36) extends. The housing (32) has enclosing walls defining an interior that typically houses a portion of the control linkage (40). The enclosing walls have an interior surface (80) and an exterior surface (78). A rigid shield (82) in the form of a circular disc is provided with a central opening (84). The circular disc (82) is slidably mounted on the control lever (34, 36). The disc (82) is provided with a top side (86) that is in free floating contact with the interior surface (80) of the control console housing (32). The free floating contact is maintained by a spring (90) that extends between the control linkage (40) and the bottom side (88) of the disc (82). The spring (90) biases the shield (82) upwardly so that the top side (86) of the shield (82) is in contact with the interior surface (80) of the housing (32) thereby covering the control aperture (76). The spring (90) comprises a coil spring defining an internal cylinder that is aligned with the central opening (84) and through which the control lever (34, 36) extends. <IMAGE>

IPC 1-7
G05G 1/00; G05G 25/04

IPC 8 full level
G05G 25/04 (2006.01)

CPC (source: EP)
G05G 25/04 (2013.01)

Citation (search report)
• [X] US 2174504 A 19390926 - COLE ROY E
• [X] EP 0647801 A1 19950412 - JSJ CORP [US]
• [X] US 3971564 A 19760727 - BOWEN ROBERT B, et al

Cited by
JP2013047558A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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