

Title (en)
Covering cap

Title (de)
Abdeckkappe

Title (fr)
Couvercle

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Application
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Priority
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Abstract (en)
[origin: EP0640404A1] The invention relates to a process for producing, on a metal plate, by means of a projecting threaded bolt of said metal plate, a coating-free connection to an attachment part, and the invention also relates to an apparatus for carrying out this process. The object of the present invention is thus to provide a process and a covering cap for carrying out the process, in order to avoid the previous disadvantages of such processes and, in particular, to shorten the assembly time which is necessary. <IMAGE>

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B05B 15/04; H01R 4/64

IPC 8 full level
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Cited by
DE102006056065B4; DE102007046690A1; EP3217481A1; US6877997B2; US7156670B2; CN111148889A; DE102015216259A1;
DE102019214348A1; DE102016114512A1; DE19937047A1; GB2311662A; GB2311662B; DE19749383A1; EP1017129A3; EP1037318A3;
EP1705751A1; DE102004050675B4; DE102006012761B4; US11542979B2; US7788802B2; WO2019105556A1; WO02056422A1; US8287219B2;
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