

Title (en)
PROCESS FOR MANUFACTURING DEEP DRAWN CAN FOR AEROSOL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER TIEFGEZOGENEN DOSE FÜR AEROSOL

Title (fr)
PROCESSUS DE FABRICATION DE BOÎTE EMBOUTIE DESTINÉE À DES AÉROSOLS

Publication
EP 2098312 B1 20170201 (EN)

Application
EP 07850309 A 20071203

Priority
• JP 2007073735 W 20071203
• JP 2006328458 A 20061205

Abstract (en)
[origin: EP2098312A1] A laminated steel sheet used as a raw material has a tensile strength TS after forming at an equivalent strain ϵ_f of 1.6 is 800 MPa or less and satisfies $0.25 \leq t_b/t_o$ where t_b is a sheet thickness at a fracture surface after fracture and t_o is a sheet thickness before the fracture. In forming the laminated steel sheets, forming is conducted so as to satisfy the relationships below: $1.5 \leq h/R \leq r$, $2.8 \leq R/r \leq 1$, $a \leq d$ $1.1 \leq r_2/r_1$ where h : a height from a can bottom to an opening edge portion; r : an outer diameter of a can body; R : a radius of a circular blank before forming having a weight equivalent to a weight of a final formed can body; r_1 : an outer radius of an opening edge portion; and r_2 : an outer radius of a bead portion.

IPC 8 full level
B21D 51/26 (2006.01); **B65D 83/38** (2006.01)

CPC (source: EP KR US)
B21D 51/26 (2013.01 - EP KR US); **B65D 83/38** (2013.01 - EP KR US); **C21D 8/0426** (2013.01 - KR); **C22C 38/004** (2013.01 - KR); **C22C 38/06** (2013.01 - KR); **C22C 38/12** (2013.01 - KR); **C22C 38/14** (2013.01 - KR)

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