

Title (en)
PROCESS FOR COATING METAL PIPES AND APPLICATION OF SAID PIPES

Publication
EP 0026906 B1 19830727 (DE)

Application
EP 80105906 A 19800930

Priority
• DE 2940388 A 19791005
• DE 2946459 A 19791117

Abstract (en)
[origin: EP0026906A1] 1. Process for coating of metal tubes with polyethylene wherein a) polyethylene having a melt index of more than 1 g/10 min. is applied in a first step to a heated metal tube, b) then in a second step the temperature of the coated tube is lowered and c) a self-supporting film of polyethylene is applied in a third stage, characterized in that a) a polyethylene having a melt index of 1.2 to 70 g/10 min. (190 degrees C/2.16 kg) is applied in stage 1 to a metal tube having a temperature of at least 200 degrees C, b) the coated tube is allowed to cool to a temperature of from 110 to 170 degrees C in stage 2, and c) the self-supporting film of polyethylene is applied thereon in stage 3 at this temperature until a minimum layer thickness of the total coating of 1.5 to 4 mm is achieved, the melt index of the film selected from the range of from 0.1 to 7 g/10 min. (190 degrees C/2.16 kg) being lower than that melt index which is selected for the first stage.

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B05D 1/38; B05D 1/36; B05D 7/14

IPC 8 full level
B05D 1/36 (2006.01); **B05D 1/38** (2006.01); **B05D 7/14** (2006.01); **B05D 1/00** (2006.01)

CPC (source: EP US)
B05D 7/146 (2013.01 - EP US); **B05D 1/002** (2013.01 - EP US); **B05D 2507/01** (2013.01 - EP US)

Cited by
EP0183930A1; EP0057823A3

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EP 0026906 A1 19810415; **EP 0026906 B1 19830727**; CA 1151017 A 19830802; DE 3064429 D1 19830901; ES 495475 A0 19810701; ES 8106418 A1 19810701; US RE31354 E 19830823

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