

Title (en)
PROCESS FOR COATING A WORKPIECE.

Title (de)
VERFAHREN ZUR BESCHICHTUNG EINES WERKSTÜCKES.

Title (fr)
PROCEDE DE REVETEMENT D'UNE PIECE A USINER.

Publication
EP 0025066 A4 19810831 (EN)

Application
EP 80900752 A 19801008

Priority
US 2342479 A 19790323

Abstract (en)
[origin: WO8001997A1] A process of coating using a sprayable coating composition in a spraybooth that communicates with a water wash, the water wash permitting contact between airborne components of the sprayable coating composition that enters the water wash and scrubbing water of a high volume, low energy wet scrubber operating at an inlet and outlet pressure difference of less than about 10 inches of water. More particularly, this invention relates to an improvement in the coating process which comprises (A) spraying in the spraybooth a scrubbable coating composition comprising a volatile organic compound that boils above about 98°C at atmospheric pressure, is water soluble above about 0.6% by weight at 20°C and is transitory in the scrubbing water; (B) capturing in the scrubbing water a volatile portion of said scrubbable coating composition wherein the volatile portion comprises an amount of the volatile organic compound and wherein an ingredient of the scrubbing water reacts with a portion of the amount; and (C) maintaining a concentration of the volatile organic compound and reaction products of the volatile organic compound in the scrubbing water below that at which efficiency falls below about 10% (preferably higher, e.g. at least 30%) of a maximum efficiency.

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B05D 1/02; **B05D 1/04**

IPC 8 full level
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