

Title (en)
PROCESS FOR PRODUCING SCRATCH RESISTANT COATINGS AND ITS USE, IN PARTICULAR FOR PRODUCING MULTILAYERED COATS OF ENAMEL

Title (de)
VERFAHREN ZUR HERSTELLUNG KRATZFESTER BESCHICHTUNGEN, INSBESONDERE ZUR HERSTELLUNG VON MEHRSCHICHTLACKIERUNGEN

Title (fr)
PROCEDE DE PRODUCTION D'ENDUITS RESISTANTS AUX EGRATIGNURES, EN PARTICULIER DES PEINTURES A PLUSIEURS COUCHES

Publication
EP 0964751 B1 20021002 (DE)

Application
EP 98910675 A 19980216

Priority
• DE 19709467 A 19970307
• EP 9800860 W 19980216

Abstract (en)
[origin: US6261645B1] The present invention relates to a process for producing scratch-resistant coatings which comprises applying a coating composition which in the cured state has a storage modulus E' in the rubber-elastic range of at least 107.6 Pa and a loss factor tan delta at 20° C. of not more than 0.10, the storage modulus E'0 and the loss factor having been measured by dynamic mechanical thermoanalysis on homogeneous free films having a film thickness of 40±10 µm. The present invention additionally relates to the use of the process for producing multicoat finishes and also to coating compositions suitable for this process.

IPC 1-7
B05D 7/00; **B05D 5/00**

IPC 8 full level
B05D 7/14 (2006.01); **B05D 5/00** (2006.01); **B05D 7/00** (2006.01); **C08J 7/04** (2006.01); **C09D 201/00** (2006.01)

CPC (source: EP KR US)
B05D 5/00 (2013.01 - EP US); **B05D 7/00** (2013.01 - KR); **B05D 7/534** (2013.01 - EP US); **B05D 7/536** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9840171 A1 19980917; AT E225214 T1 20021015; AU 6497598 A 19980929; AU 743304 B2 20020124; BR 9810860 A 20000912; CA 2283419 A1 19980917; CN 1255075 A 20000531; DE 19709467 C1 19981015; DE 59805797 D1 20021107; EP 0964751 A1 19991222; EP 0964751 B1 20021002; ES 2185152 T3 20030416; JP 2001522297 A 20011113; KR 20000076029 A 20001226; PL 187077 B1 20040531; PL 335728 A1 20000508; US 6261645 B1 20010717

DOCDB simple family (application)
EP 9800860 W 19980216; AT 98910675 T 19980216; AU 6497598 A 19980216; BR 9810860 A 19980216; CA 2283419 A 19980216; CN 98803147 A 19980216; DE 19709467 A 19970307; DE 59805797 T 19980216; EP 98910675 A 19980216; ES 98910675 T 19980216; JP 53912098 A 19980216; KR 19997008117 A 19990907; PL 33572898 A 19980216; US 40368899 A 19991105