

Title (en)
Polishing apparatus for concrete specimens

Title (de)
Poliervorrichtung für Betonproben

Title (fr)
Rectifieuse d'éprouvettes cylindriques, notamment en béton

Publication
EP 1961517 A1 20080827 (EN)

Application
EP 07380051 A 20070223

Priority
EP 07380051 A 20070223

Abstract (en)
The concrete specimen (9), which compression strength tests have to later be performed on, and which, for reasons of manufacturing, has on one of its bases (10) an irregular surface, is arranged on a support plate (8) rotatory via a motor (6), and receives through said surface (10) the action of an abrasive disk mounted on a second support plate (14), actuated simultaneously in rotatory direction by the corresponding motor (12), so that said abrasive disk acts on the surface (10) of the specimen causing the wear thereof until achieving a perfect polish. The system comes to replace the classic capping system using the sulphur mortar method, recommended by standard UNE-EN 12390-3, consequently eliminating the contaminating effects of this capping method and permitting a surface finish to be achieved for the specimen with greater safety, greater quality and less costs.

IPC 8 full level
B24B 7/16 (2006.01); **B24B 7/22** (2006.01); **B24B 41/00** (2006.01)

CPC (source: EP)
B24B 7/16 (2013.01); **B24B 7/22** (2013.01); **B24B 41/00** (2013.01)

Citation (search report)

- [X] EP 0178843 A2 19860423 - NISSEI IND [JP], et al
- [A] FR 2884747 A1 20061027 - RECH S ET REALISATIONS REMY SA [FR]
- [A] GB 2190862 A 19871202 - MUELLER GEORG NUERNBERG
- [A] US 5816895 A 19981006 - HONDA KATSUO [JP]

Cited by
CN103192311A; CN107009230A; EP3045267A3; JP2016132040A; CN105798709A; US10046430B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1961517 A1 20080827

DOCDB simple family (application)
EP 07380051 A 20070223