

Title (en)

METHOD AND DEVICE FOR DETERMINING SURFACE DEFECTS IN SLABS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FESTSTELLUNG VON OBERFLÄCHENFEHLERN AN BRAMMEN

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER DES DEFAUTS SUPERFICIELS SUR DES BRAMES

Publication

EP 1119433 B1 20050727 (DE)

Application

EP 99970348 A 19990925

Priority

- DE 9903105 W 19990925
- DE 19846709 A 19981009

Abstract (en)

[origin: WO0021709A1] The invention relates to a method and device for determining surface defects, especially cracks in slabs, by flame-scarfing said slabs on the surface hereof along specific contours followed by a visual inspection. According to the invention, the slab that is to be verified is straightened when the geometry or size thereof is known and a defined spatial position is adjusted or the coordinates of the edges of the slab are automatically determined in a learning process by contacting or contactless scanning, whereupon a flame-scarfing device is subsequently guided along at least one spatial curve corresponding to the position and size of the slab by a path-controlled manipulator.

IPC 1-7

B23K 7/10; G01N 21/88; B23K 7/06

IPC 8 full level

B22D 11/12 (2006.01); **B23K 7/06** (2006.01); **B23K 7/10** (2006.01); **G01N 21/88** (2006.01)

CPC (source: EP)

B22D 11/12 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0021709 A1 20000420; AT E300383 T1 20050815; DE 19846709 A1 20000413; DE 59912341 D1 20050901; EP 1119433 A1 20010801; EP 1119433 B1 20050727; ES 2247865 T3 20060301

DOCDB simple family (application)

DE 9903105 W 19990925; AT 99970348 T 19990925; DE 19846709 A 19981009; DE 59912341 T 19990925; EP 99970348 A 19990925; ES 99970348 T 19990925