

Title (en)  
METHOD AND DEVICE FOR SPRAYING CONCRETE

Publication  
**EP 0009660 B1 19820428 (DE)**

Application  
**EP 79103338 A 19790907**

Priority  
CH 992778 A 19780922

Abstract (en)  
[origin: US4275836A] To reduce the impact velocity of the concrete mass upon a surface, such as a wall, a branch line is arranged at the concrete conveying hose and at a point removed from the spraying nozzle. The branch line is intended to carry compressed air and opens into the surroundings. This branch line has a valve for regulating the quantity of compressed air which is to be withdrawn. By means of the branch or withdrawal line there is appreciably reduced the rebound of the concrete mass at the wall. The concrete mixture is initially pre-moistened to a constant moisture content before it arrives along the spraying or injection path and at the spraying or injection nozzle there is added thereto a constant residual water quantity. This method affords a continuously constant water content and renders possible reduced pressure of the conveying air since the concrete mixture is only pre-moistened at the conveying path.

IPC 1-7  
**E04G 21/04**; **E04F 21/12**; **B65G 53/32**

IPC 8 full level  
**B28C 5/06** (2006.01); **B05B 7/14** (2006.01); **B05D 1/02** (2006.01); **B05D 1/06** (2006.01); **B05D 7/00** (2006.01); **B05D 7/24** (2006.01); **B28C 7/04** (2006.01); **B28C 7/16** (2006.01); **B65G 53/32** (2006.01); **E02D 17/20** (2006.01); **E04F 21/12** (2006.01); **E04G 21/02** (2006.01); **E04G 21/04** (2006.01)

CPC (source: EP US)  
**B28C 7/0409** (2013.01 - EP US); **B28C 7/165** (2013.01 - EP US); **E04G 21/04** (2013.01 - EP US); **E04G 2021/049** (2013.01 - EP US)

Cited by  
EP0357929A3; JPS61176764A; US5147156A; FR3086961A1; DE3220880A1; CN111516143A; KR101228544B1; CN107013041A; US11958773B2; WO2020070395A1

Designated contracting state (EPC)  
AT DE FR GB SE

DOCDB simple family (publication)  
**EP 0009660 A1 19800416**; **EP 0009660 B1 19820428**; **EP 0009660 B2 19860507**; AT E931 T1 19820515; BR 7906045 A 19800527; CH 632646 A5 19821029; DE 2962635 D1 19820609; JP S5544395 A 19800328; JP S6351740 B2 19881014; US 4275836 A 19810630; ZA 795004 B 19800924

DOCDB simple family (application)  
**EP 79103338 A 19790907**; AT 79103338 T 19790907; BR 7906045 A 19790921; CH 992778 A 19780922; DE 2962635 T 19790907; JP 12159879 A 19790922; US 7598879 A 19790917; ZA 795004 A 19790920