

## Title (en)

Flooring system comprising mechanically joinable floorboards

## Title (de)

Fussbodensystem umfassend mehrere mechanisch verbindbaren Fussbodenplatten

## Title (fr)

Système de plancher comprenant des planches de plancher verrouillables mécaniquement

## Publication

**EP 1903158 A3 20090923 (EN)**

## Application

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## Abstract (en)

[origin: WO02055810A1] A floorboard and an openable locking system therefor comprise an undercut groove on one long side of the floorboard and a projecting tongue on the opposite long side of the floorboard. The undercut groove has a corresponding upwardly directed inner locking surface at a distance from its tip. The tongue and the undercut groove are formed to be brought together and pulled apart by a pivoting motion which has its centre (C) close to the intersection between the surface planes (HP) and the common joint plane (VP) of two adjoining floorboards. The undercut in the groove of such a locking system is produced by means of at least two disk-shaped cutting tools whose rotary shafts are inclined relative to each other to form first an inner part of the undercut portion of the groove and then a locking surface positioned closer to the opening of the groove. An installation method for a floor of such boards comprises the steps of laying a new board adjacent to a previously laid board, moving the tongue of the new board into the mouth of the undercut groove of the laid board, angling the new board upward during continued insertion of the tongue into the undercut groove and simultaneously angling down the new board to the final position. A manufacturing method for manufacturing the undercut groove uses machining by means of at least two different rotary cutting tools whose rotary shaft is set at different angles. A wedge-shaped tool for laying of the floorboards is wedge-shaped with an upwardly directed engaging surface at its thicker end.

## IPC 8 full level

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- [X] GB 1027709 A 19660427 - JUNCKERS SAVVAERK AS
- [A] DE 4130115 A1 19930318 - HEINEMANN HERBERT [DE]

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