

Cartridge receiver, cartridge system, drink preparation machine and method for producing a drink

Abstract

The invention relates to a cartridge receiver (10) for producing a drink (70) using a cartridge (2) that comprises a reservoir (6) filled with a drink substance (7), it being possible to insert the cartridge receiver (10) into a drink preparation machine (3) and connect it to the cartridge (2), wherein the cartridge receiver (10) comprises a mixing chamber (8) that can be brought into fluidic connection with the reservoir (6), and a fluid supply (12) that opens into the mixing chamber (8). The invention is characterised in that the cartridge receiver (10) comprises a mandrel guide (80) and a puncturing mandrel (73) that is displaceably mounted within said mandrel guide (80), wherein the puncturing mandrel (73) can be displaced between a retracted position in which said puncturing mandrel (73) is positioned at a distance from a sealing element (18) of the cartridge (2), and an extended position in which said puncturing mandrel (73) pierces the sealing element (18) and projects into the reservoir (6). The outer wall of the puncturing mandrel (73) comprises at least one lateral channel (71) for conducting the drink substance (7) in the direction of the mixing chamber (8) when the sealing element (18) has been pierced.

Figure 1