1046-06-774   **Elena Vinceková*** (`vincekova@mat.savba.sk`), Štefánikova, 49, Bratislava, 81473, and **Silvia Pulmannová**. *MV-pairs.*

Let us have a Boolean algebra B and its subgroup G of the automorphism group of B. Then an *MV-pair* is a BG-pair (B, G) satisfying two special conditions, recently introduced by Jenča (G. Jenča: *A representation theorem for MV-algebras.* Soft Computing. **11** (2007) 557–564). He proved, that if we consider $\sim_G$, an equivalence relation naturally associated with G, then for a given MV-pair (B, G), the quotient $B/\sim_G$ is an MV-algebra. Conversely, to every MV-algebra M there corresponds an MV-pair, which after factorization gives an MV-algebra isomorphic to M.

We study relations between congruences of B and congruences of $B/\sim_G$ which are induced by a G-invariant ideal I of B. We also bring some relations between ideals in MV-algebras and in the corresponding R-generated Boolean algebras (G. Grätzer: *General Lattice Theory.* Birkhäuser, Stuttgart, 1978; II.4). (Received September 16, 2008)